

# Gradient based iterative algorithms for solving a class o

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Citation Report

#	ARTICLE	IF	CITATIONS
1	On Iterative Solutions of General Coupled Matrix Equations. SIAM Journal on Control and Optimization, 2006, 44, 2269-2284.	1.1	324
2	Generalized Yule-walker and two-stage identification algorithms for dual-rate systems. Journal of Control Theory and Applications, 2006, 4, 338-342.	0.8	2
3	Numerical solutions of soft constrained nash games for multiparameter singularly perturbed systems. , 2007, , .		0
4	Adaptive Digital Control of Hammerstein Nonlinear Systems with Limited Output Sampling. SIAM Journal on Control and Optimization, 2007, 45, 2257-2276.	1.1	115
5	Auxiliary model-based least-squares identification methods for Hammerstein output-error systems. Systems and Control Letters, 2007, 56, 373-380.	1.3	245
6	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
7	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
8	Stochastic $H^\infty$ control problem with state-dependent noise for weakly coupled large-scale systems. IEEJ Transactions on Electrical and Electronic Engineering, 2007, 2, 571-578.	0.8	0
9	Convergence of gradient-based iterative solution of coupled Markovian jump Lyapunov equations. Computers and Mathematics With Applications, 2008, 56, 3070-3078.	1.4	43
10	Robust disturbance attenuation with unknown input observer and sliding mode controller. Electrical Engineering, 2008, 90, 493-502.	1.2	4
11	Improved gradient iterative algorithms for solving Lyapunov matrix equations. Journal of Shanghai University, 2008, 12, 395-399.	0.1	0
12	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
13	A numerical algorithm for Lyapunov equations. Applied Mathematics and Computation, 2008, 202, 44-53.	1.4	17
14	An iterative algorithm for the reflexive solutions of the generalized coupled Sylvester matrix equations and its optimal approximation. Applied Mathematics and Computation, 2008, 202, 571-588.	1.4	132
15	An iterative algorithm for solving a pair of matrix equations $AX + YB = E$ and $AX + YB = E$ with generalized centro-symmetric matrices. Computers and Mathematics With Applications, 2008, 56, 3246-3260.	1.4	78
16	On the generalized Sylvester mapping and matrix equations. Systems and Control Letters, 2008, 57, 200-208.	1.3	106
17	A GRADIENT BASED ADAPTIVE CONTROL ALGORITHM FOR DUAL-RATE SYSTEMS. Asian Journal of Control, 2006, 8, 314-323.	1.9	43
18	Analogue recurrent neural network for linear algebraic equation solving. Electronics Letters, 2008, 44, 1078.	0.5	40

#	ARTICLE	IF	CITATIONS
19	Robust Discrete-Time Model Reference Sliding-Mode Controller Design With State and Disturbance Estimation. IEEE Transactions on Industrial Electronics, 2008, 55, 4065-4074.	5.2	35
20	Infinite-horizon soft-constrained stochastic Nash games with state-dependent noise in weakly coupled large-scale systems. , 2008, , .		0
21	Robust Discrete-Time Output Tracking Controller Design for Nonminimum Phase Systems. Journal of System Design and Dynamics, 2008, 2, 950-961.	0.3	4
22	A Numerical Algorithm for Finding Solution of Cross-Coupled Algebraic Riccati Equations. IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences, 2008, E91-A, 682-685.	0.2	6
23	Gradient based iterative solutions for general linear matrix equations. Computers and Mathematics With Applications, 2009, 58, 1441-1448.	1.4	168
24	An iterative algorithm for solving a class of matrix equations. Journal of Control Theory and Applications, 2009, 7, 68-72.	0.8	7
25	Robust discrete-time output feedback model reference control design with state and unknown input estimation. International Journal of Robust and Nonlinear Control, 2009, 19, 847-867.	2.1	2
26	Gradient based iterative algorithm for solving coupled matrix equations. Systems and Control Letters, 2009, 58, 327-333.	1.3	151
27	A shift-splitting hierarchical identification method for solving Lyapunov matrix equations. Linear Algebra and Its Applications, 2009, 430, 1517-1530.	0.4	27
28	Finite iterative algorithms for the reflexive and anti-reflexive solutions of the matrix equation $AX + XA = B$ . Mathematical and Computer Modelling, 2009, 49, 1937-1959.	2.0	78
29	The residual based interactive stochastic gradient algorithms for controlled moving average models. Applied Mathematics and Computation, 2009, 211, 442-449.	1.4	58
30	A lower bound for the product of eigenvalues of solutions to matrix equations. Applied Mathematics Letters, 2009, 22, 1786-1788.	1.5	19
31	Weighted least squares solutions to general coupled Sylvester matrix equations. Journal of Computational and Applied Mathematics, 2009, 224, 759-776.	1.1	126
32	On the ADI method for Sylvester equations. Journal of Computational and Applied Mathematics, 2009, 233, 1035-1045.	1.1	126
33	The residual based interactive least squares algorithms and simulation studies. Computers and Mathematics With Applications, 2009, 58, 1190-1197.	1.4	57
34	Gradient-based iterative solutions for general matrix equations. , 2009, , .		1
35	A Stein matrix equation approach for computing coprime matrix fraction description. IET Control Theory and Applications, 2009, 3, 691-700.	1.2	15
36	Efficient iterative method for solving the second-order Sylvester matrix equation $EVF_2 \hat{A} \sim AVF \hat{A} \sim CV = BW$ . IET Control Theory and Applications, 2009, 3, 1401-1408.	1.2	63

#	ARTICLE	IF	CITATIONS
37	Improved Zhang neural network model and its solution of time-varying generalized linear matrix equations. Expert Systems With Applications, 2010, 37, 7213-7218.	4.4	45
38	Gradient based and least squares based iterative algorithms for matrix equations $AXB+CXTD=F$ . Applied Mathematics and Computation, 2010, 217, 2191-2199.	1.4	161
39	Iterative solutions to matrix equations of the form $A - \frac{1}{i} A^2$ . Computers and Mathematics With Applications, 2010, 59, 3500-3507.	1.4	127
40	Iterative solutions to coupled Sylvester-conjugate matrix equations. Computers and Mathematics With Applications, 2010, 60, 54-66.	1.4	67
41	Finite iterative algorithms for the generalized Sylvester-conjugate matrix equation $AX+BY=\overline{X}F+S$ . Computing (Vienna/New York), 2010, 89, 147-170.	3.2	14
42	Numerical solution to linear matrix equation by finite steps iteration. IET Control Theory and Applications, 2010, 4, 1245-1253.	1.2	21
43	The general coupled matrix equations over generalized bisymmetric matrices. Linear Algebra and Its Applications, 2010, 432, 1531-1552.	0.4	156
44	An efficient algorithm for solving general coupled matrix equations and its application. Mathematical and Computer Modelling, 2010, 51, 1118-1134.	2.0	49
45	Hierarchical least-squares based iterative identification for multivariable systems with moving average noises. Mathematical and Computer Modelling, 2010, 51, 1213-1220.	2.0	110
46	Finite iterative solutions to a class of complex matrix equations with conjugate and transpose of the unknowns. Mathematical and Computer Modelling, 2010, 52, 1463-1478.	2.0	28
47	Least squares solution with the minimum-norm to general matrix equations via iteration. Applied Mathematics and Computation, 2010, 215, 3547-3562.	1.4	45
48	Iterative solutions to the extended Sylvester-conjugate matrix equations. Applied Mathematics and Computation, 2010, 217, 130-142.	1.4	45
49	LSQR iterative common symmetric solutions to matrix equations $AXB=E$ and $CXD=F$ . Applied Mathematics and Computation, 2010, 217, 230-236.	1.4	11
50	An iterative method for solving the generalized coupled Sylvester matrix equations over generalized bisymmetric matrices. Applied Mathematical Modelling, 2010, 34, 639-654.	2.2	133
51	Transformations between some special matrices. Computers and Mathematics With Applications, 2010, 59, 2676-2695.	1.4	52
52	Matrix equations over $R$ and $S$ and $R$ -symmetric. Computers and Mathematics With Applications, 2010, 59, 3583-3594.	1.4	13
53	Least squares based iterative algorithms for identifying Box-Jenkins models with finite measurement data. , 2010, 20, 1458-1467.		120
54	The Reflexive and Anti-Reflexive Solutions of a Linear Matrix Equation and Systems of Matrix Equations. Rocky Mountain Journal of Mathematics, 2010, 40, .	0.2	41

#	ARTICLE	IF	CITATIONS
55	Multi-innovation Stochastic Gradient Algorithm for Hammerstien Nonlinear ARX Systems. , 2010, , .		0
56	Auxiliary Model Based Hierarchical Parameter Estimation Algorithm for SIMO Systems. , 2010, , .		0
57	Gradient-based maximal convergence rate iterative method for solving linear matrix equations. International Journal of Computer Mathematics, 2010, 87, 515-527.	1.0	44
58	A Stein equation approach for solutions to the Diophantine equations. , 2010, , .		2
59	Performance analysis of iterative algorithms for sylvester equations. , 2010, , .		1
60	Finite iterative algorithm for solving coupled Lyapunov equations appearing in discrete-time Markov jump linear systems. IET Control Theory and Applications, 2010, 4, 2223-2231.	1.2	12
61	On the reflexive and anti-reflexive solutions of the generalised coupled Sylvester matrix equations. International Journal of Systems Science, 2010, 41, 607-625.	3.7	29
62	Recurrent neural network for solving linear matrix equation. , 2010, , .		4
64	Finite iterative algorithms for extended Sylvester-conjugate matrix equations. Mathematical and Computer Modelling, 2011, 54, 2363-2384.	2.0	34
65	Zhang neural network versus gradient-based neural network for time-varying linear matrix equation solving. Neurocomputing, 2011, 74, 3708-3712.	3.5	55
66	Iterative algorithms for the minimum-norm solution and the least-squares solution of the linear matrix equations $\sum_{i=1}^p A_i X B_i + \sum_{j=1}^q C_j Y D_j = E$ over reflexive and anti-reflexive matrices. Applied Mathematics and Computation, 2011, 218, 3166-3175.		
67	A relaxed gradient based algorithm for solving sylvester equations. Asian Journal of Control, 2011, 13, 461-464.	1.9	70
68	Identification for the second-order systems based on the step response. Mathematical and Computer Modelling, 2011, 53, 1074-1083.	2.0	41
69	Improved gradient-based neural networks for online solution of Lyapunov matrix equation. Information Processing Letters, 2011, 111, 780-786.	0.4	84
70	A note on the iterative solutions of general coupled matrix equation. Applied Mathematics and Computation, 2011, 217, 9380-9386.	1.4	17
71	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
72	Solving the generalized sylvester matrix equation $\sum_{i=1}^p A_i X B_i + \sum_{j=1}^q C_j Y D_j = E$ over reflexive and anti-reflexive matrices. International Journal of Control, Automation and Systems, 2011, 9, 118-124.	1.6	27
73	The generalized centro-symmetric and least squares generalized centro-symmetric solutions of the matrix equation $A Y B + C Y D = E$ . Mathematical Methods in the Applied Sciences, 2011, 34, 1562-1579.	1.2	47

#	ARTICLE	IF	CITATIONS
74	An efficient algorithm for solving extended Sylvester-conjugate transpose matrix equations. Arab Journal of Mathematical Sciences, 2011, 17, 115-134.	0.2	11
75	Performance analysis of the AM-SG parameter estimation for multivariable systems. Applied Mathematics and Computation, 2011, 217, 5566-5572.	1.4	10
76	Positive operator based iterative algorithms for solving Lyapunov equations for It $\tilde{A}$ stochastic systems with Markovian jumps. Applied Mathematics and Computation, 2011, 217, 8179-8195.	1.4	27
77	Iterative algorithms for solving a class of complex conjugate and transpose matrix equations. Applied Mathematics and Computation, 2011, 217, 8343-8353.	1.4	47
78	Two algorithms for finding the Hermitian reflexive and skew-Hermitian solutions of Sylvester matrix equations. Applied Mathematics Letters, 2011, 24, 444-449.	1.5	58
79	Analysis of an iterative algorithm to solve the generalized coupled Sylvester matrix equations. Applied Mathematical Modelling, 2011, 35, 3285-3300.	2.2	116
80	Identification methods for Hammerstein nonlinear systems. , 2011, 21, 215-238.		300
81	Finite iterative solutions to coupled Sylvester-conjugate matrix equations. Applied Mathematical Modelling, 2011, 35, 1065-1080.	2.2	60
82	Toward solution of matrix equation $Ax = b$ with $A$ being a complex conjugate and transpose matrix. Linear Algebra and Its Applications, 2011, 435, 1370-1398.	0.0	0
83	Generalized inverse problems for part symmetric matrices on a subspace in structural dynamic model updating. Mathematical and Computer Modelling, 2011, 53, 110-121.	2.0	4
84	Least squares based iterative parameter estimation algorithm for multivariable controlled ARMA system modelling with finite measurement data. Mathematical and Computer Modelling, 2011, 53, 1664-1669.	2.0	62
85	On the generalized bisymmetric and skew-symmetric solutions of the system of generalized Sylvester matrix equations. Linear and Multilinear Algebra, 2011, 59, 1281-1309.	0.5	43
86	Gradient-based iterative parameter identification for multi-input multi-output OEMA-like models. , 2011, , .		0
87	Iterative solutions for general coupled matrix equations with real coefficients. , 2011, , .		1
88	Simulation and Verification of Zhang Neural Networks and Gradient Neural Networks for Time-Varying Stein Equation Solving. Lecture Notes in Computer Science, 2011, , 385-392.	1.0	3
89	SSHI methods for solving general linear matrix equations. Engineering Computations, 2011, 28, 1028-1043.	0.7	28
90	Parameter fitting for nonlinear systems. , 2011, , .		2
91	Solving periodic Lyapunov matrix equations via finite steps iteration. IET Control Theory and Applications, 2012, 6, 2111-2119.	1.2	24

#	ARTICLE	IF	CITATIONS
92	An Iterative Algorithm for the Least Squares Generalized Reflexive Solutions of the Matrix Equations. Abstract and Applied Analysis, 2012, 2012, 1-18.	0.3	7
93	A Preconditioned Iteration Method for Solving Sylvester Equations. Journal of Applied Mathematics, 2012, 2012, 1-12.	0.4	5
94	Weighted steepest descent method for solving matrix equations. International Journal of Computer Mathematics, 2012, 89, 1017-1038.	1.0	5
95	Partially coupled estimation algorithm for discrete-time multiple-input multiple-output systems. , 2012, , .		0
96	Iterative detection and decoding for MIMO systems with knowledge-aided belief propagation algorithms. , 2012, , .		2
97	Separable gradient estimation algorithm for Hammerstein systems based on decompositions. , 2012, , .		5
98	TS-RLS algorithm for pseudo-linear regressive models. , 2012, , .		0
99	The generalised Sylvester matrix equations over the generalised bisymmetric and skew-symmetric matrices. International Journal of Systems Science, 2012, 43, 1580-1590.	3.7	40
100	Maximum likelihood forgetting stochastic gradient estimation algorithm for Hammerstein CARARMA systems. , 2012, , .		4
101	A new time domain convolutive BSS of heart and lung sounds. , 2012, , .		11
102	Two-stage iterative estimation algorithm for systems with colored noises using the data filtering. , 2012, , .		2
103	Iterative Parameter Estimation for a Class of Multivariable Systems Based on the Hierarchical Identification Principle and the Gradient Search. Circuits, Systems, and Signal Processing, 2012, 31, 2167-2177.	1.2	43
104	Fourth-order variants of Newton's method without second derivatives for solving non-linear equations. Engineering Computations, 2012, 29, 356-365.	0.7	33
105	Solving coupled matrix equations over generalized bisymmetric matrices. International Journal of Control, Automation and Systems, 2012, 10, 905-912.	1.6	19
106	Recursive relations of the criterion functions for the recursive least squares algorithms. , 2012, , .		1
107	A gradient based iterative algorithm for solving model updating problems of gyroscopic systems. Applied Mathematical Modelling, 2012, 36, 4810-4816.	2.2	10
108	On the generalized reflexive and anti-reflexive solutions to a system of matrix equations. Linear Algebra and Its Applications, 2012, 437, 2793-2812.	0.4	43
109	Modeling for giant magnetostrictive actuators with rate-dependent hysteresis based on Hammerstein-like system by using LS-SVM. , 2012, , .		1



#	ARTICLE	IF	CITATIONS
110	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
111	Iterative algorithms for the generalized centro-symmetric and central anti-symmetric solutions of general coupled matrix equations. Engineering Computations, 2012, 29, 528-560.	0.7	52
112	Two iterative algorithms for solving coupled matrix equations over reflexive and anti-reflexive matrices. Computational and Applied Mathematics, 2012, 31, 353-371.	1.0	10
113	Recursive Gauss-Seidel algorithm for direct self-tuning control. International Journal of Adaptive Control and Signal Processing, 2012, 26, 435-450.	2.3	3
114	A projection method and Kronecker product preconditioner for solving Sylvester tensor equations. Science China Mathematics, 2012, 55, 1281-1292.	0.8	65
115	Some properties of inverses of the full matrices. Computers and Mathematics With Applications, 2012, 63, 905-911.	1.4	2
116	Two-stage least squares based iterative identification algorithm for controlled autoregressive moving average (CARMA) systems. Computers and Mathematics With Applications, 2012, 63, 975-984.	1.4	36
117	Hierarchical least squares based iterative estimation algorithm for multivariable Box-Jenkins-like systems using the auxiliary model. Applied Mathematics and Computation, 2012, 218, 5580-5587.	1.4	19
118	A modified gradient based algorithm for solving Sylvester equations. Applied Mathematics and Computation, 2012, 218, 5620-5628.	1.4	46
119	Iterative parameter identification methods for nonlinear functions. Applied Mathematical Modelling, 2012, 36, 2739-2750.	2.2	61
120	LSQR iterative method for generalized coupled Sylvester matrix equations. Applied Mathematical Modelling, 2012, 36, 3545-3554.	2.2	46
121	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
122	A gradient based iterative algorithm for solving structural dynamics model updating problems. Meccanica, 2013, 48, 2245-2253.	1.2	7
123	Accelerating a Recurrent Neural Network to Finite-Time Convergence for Solving Time-Varying Sylvester Equation by Using a Sign-Bi-power Activation Function. Neural Processing Letters, 2013, 37, 189-205.	2.0	286
124	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
125	Matrix iterative methods for solving the Sylvester-transpose and periodic Sylvester matrix equations. Journal of the Franklin Institute, 2013, 350, 3328-3341.	1.9	105
126	Numerical solution of $AXB=C$ for $(R,S)$ -symmetric matrices. Journal of Applied Mathematics and Computing, 2013, 43, 523-546.	1.2	3
127	A finite iterative algorithm for the solution of Sylvester-conjugate matrix equations $\langle \mathbb{M} \mathbb{M}^T \mathbb{A} \mathbb{V} \mathbb{B} \mathbb{W} \mathbb{C} \mathbb{F} \rangle$ and $\langle \mathbb{M} \mathbb{M}^T \mathbb{A} \mathbb{V} \mathbb{B} \mathbb{W} \mathbb{C} \mathbb{F} \rangle$ . Mathematical and Computer Modelling, 2013, 58, 1738-1754.	2.0	4



#	ARTICLE	IF	CITATIONS
128	The reflexive least squares solutions of the general coupled matrix equations with a submatrix constraint. Applied Mathematics and Computation, 2013, 225, 425-445.	1.4	14
129	An iterative algorithm for the generalized reflexive solutions of the general coupled matrix equations. Journal of Inequalities and Applications, 2013, 2013, .	0.5	3
130	Efficient Iterative Solutions to General Coupled Matrix Equations. International Journal of Automation and Computing, 2013, 10, 481-486.	4.5	6
131	Improved neural solution for the Lyapunov matrix equation based on gradient search. Information Processing Letters, 2013, 113, 876-881.	0.4	46
132	The Research Survey of System Identification Method. , 2013, , .		39
133	Positive definite solutions of the nonlinear matrix equation $X + A X^{-1} A^T = C$ . Applied Mathematics and Computation, 2013, 219, 7377-7391.	1.4	33
134	A new type of recurrent neural networks for real-time solution of Lyapunov equation with time-varying coefficient matrices. Mathematics and Computers in Simulation, 2013, 92, 40-52.	2.4	14
135	Three-stage recursive least squares parameter estimation for controlled autoregressive autoregressive systems. Applied Mathematical Modelling, 2013, 37, 7489-7497.	2.2	13
136	The generalized QMRCCSTAB algorithm for solving Sylvester-transpose matrix equations. Applied Mathematics Letters, 2013, 26, 1013-1017.	1.5	36
137	Parameter estimation methods for nonlinear systems. Applied Mathematics and Computation, 2013, 219, 4278-4287.	1.4	10
138	Comparison on neural solvers for the Lyapunov matrix equation with stationary and nonstationary coefficients. Applied Mathematical Modelling, 2013, 37, 2495-2502.	2.2	44
139	Matrix form of the Bi-CGSTAB method for solving the coupled Sylvester matrix equations. IET Control Theory and Applications, 2013, 7, 1828-1833.	1.2	24
140	A Gradient Based Iterative Solutions for Sylvester Tensor Equations. Mathematical Problems in Engineering, 2013, 2013, 1-7.	0.6	11
141	On the Low-Rank Approximation Arising in the Generalized Karhunen-Loeve Transform. Abstract and Applied Analysis, 2013, 2013, 1-8.	0.3	3
142	On the Iterative Method for the System of Nonlinear Matrix Equations. Abstract and Applied Analysis, 2013, 2013, 1-7.	0.3	7
143	Iterative Algorithm for Solving a Class of Quaternion Matrix Equation over the Generalized Quaternion Matrix Equation $P + A X^{-1} A^T = C$ . Journal of Applied Mathematics, 2013, 2013, 1-15.	0.131	0.784314
144	On the Kronecker Products and Their Applications. Journal of Applied Mathematics, 2013, 2013, 1-8.	0.4	59
145	Linear Simultaneous Equations Neural Solution and Its Application to Convex Quadratic Programming with Equality-Constraint. Journal of Applied Mathematics, 2013, 2013, 1-6.	0.4	2

#	ARTICLE	IF	CITATIONS
146	Finite iterative algorithm for solving coupled Lyapunov equations appearing in continuous-time Markov jump linear systems. <i>International Journal of Systems Science</i> , 2013, 44, 2082-2093.	3.7	13
147	Construction of an iterative method for solving generalized coupled Sylvester matrix equations. <i>Transactions of the Institute of Measurement and Control</i> , 2013, 35, 961-970.	1.1	22
148	An iterative method to compute Moore-Penrose inverse based on gradient maximal convergence rate. <i>Filomat</i> , 2013, 27, 1269-1276.	0.2	2
149	An Iterative Algorithm for the Reflexive Solution of the General Coupled Matrix Equations. <i>Scientific World Journal, The</i> , 2013, 2013, 1-15.	0.8	0
150	Finite Iterative Algorithm for Solving a Complex of Conjugate and Transpose Matrix Equation. <i>Journal of Discrete Mathematics</i> , 2013, 2013, 1-13.	0.4	3
151	Parameter and State Estimator for State Space Models. <i>Scientific World Journal, The</i> , 2014, 2014, 1-10.	0.8	3
152	Convergence Results on Iteration Algorithms to Linear Systems. <i>Scientific World Journal, The</i> , 2014, 2014, 1-10.	0.8	1
153	A gradient-based iterative algorithm for generalized coupled Sylvester matrix equations over generalized centro-symmetric matrices. <i>Transactions of the Institute of Measurement and Control</i> , 2014, 36, 252-259.	1.1	8
154	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.	1.2	124
155	Convergence of ADGI methods for solving systems of linear matrix equations. <i>Engineering Computations</i> , 2014, 31, 681-690.	0.7	3
156	Iterative Solutions of a Set of Matrix Equations by Using the Hierarchical Identification Principle. <i>Abstract and Applied Analysis</i> , 2014, 2014, 1-10.	0.3	2
157	Least Squares Based Iterative Algorithm for the Coupled Sylvester Matrix Equations. <i>Mathematical Problems in Engineering</i> , 2014, 2014, 1-8.	0.6	2
158	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
159	A Modified Gradient Based Algorithm for Solving Matrix Equations $AXB+CXTD=F$ . <i>Journal of Applied Mathematics</i> , 2014, 2014, 1-6.	0.4	1
161	Rank deficiency gradient-based iterations for generalized coupled Sylvester matrix equations. , 2014, , .		0
162	Extending LSQR methods to solve the generalized Sylvesterâ€ˆtranspose and periodic Sylvester matrix equations. <i>Mathematical Methods in the Applied Sciences</i> , 2014, 37, 2017-2028.	1.2	23
163	Gradient-based iteration for a class of matrix equations. , 2014, , .		0
164	Parametric Solutions to the Generalized Discrete $Y$ akubovichâ€ˆTranspose Matrix Equation. <i>Asian Journal of Control</i> , 2014, 16, 1133-1140.	1.9	5

#	ARTICLE	IF	CITATIONS
165	A Relaxed Gradient Based Algorithm for Solving Extended $S$ -Conjugate Matrix Equations. <i>Asian Journal of Control</i> , 2014, 16, 1334-1341.	1.9	17
166	Solving the system of generalized Sylvester matrix equations over the generalized centro-symmetric matrices. <i>JVC/Journal of Vibration and Control</i> , 2014, 20, 838-846.	1.5	4
167	Solving the system of linear operator equations over generalized bisymmetric matrices. <i>Transactions of the Institute of Measurement and Control</i> , 2014, 36, 541-550.	1.1	4
168	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.	1.9	74
169	From different ZFs to different ZNN models accelerated via Li activation functions to finite-time convergence for time-varying matrix pseudoinversion. <i>Neurocomputing</i> , 2014, 133, 512-522.	3.5	73
170	Recursive computational formulas of the least squares criterion functions for scalar system identification. <i>Applied Mathematical Modelling</i> , 2014, 38, 1-11.	2.2	12
171	Cyclic and simultaneous iterative methods to matrix equations of the form $A_i X_i B_i = F_i$ . <i>Numerical Algorithms</i> , 2014, 66, 379-397.	1.1	7
172	From Different Zhang Functions to Various ZNN Models Accelerated to Finite-Time Convergence for Time-Varying Linear Matrix Equation. <i>Neural Processing Letters</i> , 2014, 39, 309-326.	2.0	55
173	Iterative algorithm for solving a class of general Sylvester-conjugate matrix equation $\sum_{i=1}^s A_i V + \sum_{j=1}^t B_j W = \sum_{l=1}^m E_l \overline{V} F_l + C$ . <i>Journal of Applied Mathematics and Computing</i> , 2014, 44, 99-118.	1.2	7
174	Finite iterative method for solving coupled Sylvester-transpose matrix equations. <i>Journal of Applied Mathematics and Computing</i> , 2014, 46, 351-372.	1.2	25
175	Gradient-based iterative algorithm for solving the generalized coupled Sylvester-transpose and conjugate matrix equations over reflexive (anti-reflexive) matrices. <i>Transactions of the Institute of Measurement and Control</i> , 2014, 36, 99-110.	1.1	13
176	Developing Bi-CG and Bi-CR Methods to Solve Generalized Sylvester-transpose Matrix Equations. <i>International Journal of Automation and Computing</i> , 2014, 11, 25-29.	4.5	18
177	Modeling and $H_\infty$ Robust Control of a Smart Structure with Rate-dependent Hysteresis Nonlinearity. <i>International Journal of Automation and Computing</i> , 2014, 11, 51-58.	4.5	5
178	An efficient algorithm for the generalized (P,Q)-reflexive solution to a quaternion matrix equation and its optimal approximation. <i>Journal of Applied Mathematics and Computing</i> , 2014, 45, 297-326.	1.2	4
179	Solving the general coupled and the periodic coupled matrix equations via the extended QMRCGSTAB algorithms. <i>Computational and Applied Mathematics</i> , 2014, 33, 349-362.	1.3	11
180	Matrix form of the CGS method for solving general coupled matrix equations. <i>Applied Mathematics Letters</i> , 2014, 34, 37-42.	1.5	52
181	Zhang Neural Network for Online Solution of Time-Varying Linear Matrix Inequality Aided With an Equality Conversion. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2014, 25, 370-382.	7.2	73
182	Matrix algorithms for solving the generalized coupled Sylvester and periodic coupled matrix equations. <i>Transactions of the Institute of Measurement and Control</i> , 2014, 36, 963-970.	1.1	4

#	ARTICLE	IF	CITATIONS
183	Developing the CGLS algorithm for the least squares solutions of the general coupled matrix equations. <i>Mathematical Methods in the Applied Sciences</i> , 2014, 37, 2782-2798.	1.2	20
184	Nonlinearly Activated Neural Network for Solving Time-Varying Complex Sylvester Equation. <i>IEEE Transactions on Cybernetics</i> , 2014, 44, 1397-1407.	6.2	187
185	Generalized solution sets of the interval generalized Sylvester matrix equation $\mathbf{A} \mathbf{x} + \mathbf{B} \mathbf{y} = \mathbf{C}$ overflow="scroll">< mml:mrow>< mml:mi>A</mml:mi></mml:mrow>< mml:mrow>< mml:mi>B</mml:mi></mml:mrow>< mml:mrow>< mml:mi>C</mml:mi></mml:mrow></mml:math> Computers and Mathematics With Applications, 2014, 68, 1758-1774.	1.1	0
186	A modified iterative algorithm for the (Hermitian) reflexive solution of the generalized Sylvester matrix equation. <i>Transactions of the Institute of Measurement and Control</i> , 2014, 36, 815-827.	1.1	0
187	Decomposition-Based Recursive Least Squares Algorithm for Wiener Nonlinear Feedback FIR-MA Systems Using the Filtering Theory. <i>Circuits, Systems, and Signal Processing</i> , 2014, 33, 3649-3662.	1.2	3
188	LSMR Iterative Method for General Coupled Matrix Equations. <i>Journal of Applied Mathematics</i> , 2015, 2015, 1-12.	0.4	4
189	Norm Estimates for Solutions of Polynomial Operator Equations. <i>Journal of Mathematics</i> , 2015, 2015, 1-7.	0.5	0
190	Least-squares symmetric and skew-symmetric solutions of the generalized Sylvester matrix equation $\mathbf{A} \mathbf{x} + \mathbf{B} \mathbf{y} = \mathbf{C}$ overflow="scroll">< mml:mrow>< mml:mi>A</mml:mi></mml:mrow>< mml:mrow>< mml:mi>B</mml:mi></mml:mrow>< mml:mrow>< mml:mi>C</mml:mi></mml:mrow></mml:math> Applied Mathematics, 2015, 39, 1151-1163.	1.4	0
191	A finite-time convergent neural dynamics for online solution of time-varying linear complex matrix equation. <i>Neurocomputing</i> , 2015, 167, 254-259.	3.5	82
192	A graph Laplacian regularization for hyperspectral data unmixing. , 2015, , .		27
193	The general solutions to some systems of matrix equations. <i>Linear and Multilinear Algebra</i> , 2015, 63, 2017-2032.	0.5	39
194	Iterative methods for solving consistent or inconsistent matrix inequality $\mathbf{A} \mathbf{X} \mathbf{B} + \mathbf{C} \mathbf{X} \mathbf{D} = \mathbf{E}$ overflow="scroll">< mml:mrow>< mml:mi>A</mml:mi></mml:mrow>< mml:mrow>< mml:mi>B</mml:mi></mml:mrow>< mml:mrow>< mml:mi>C</mml:mi></mml:mrow>< mml:mrow>< mml:mi>D</mml:mi></mml:mrow>< mml:mrow>< mml:mi>E</mml:mi></mml:mrow></mml:math> with linear constraints. <i>Applied Mathematical Modelling</i> , 2015, 39, 1151-1163.	2.2	1
195	Developing BICOR and CORS methods for coupled Sylvester-transpose and periodic Sylvester matrix equations. <i>Applied Mathematical Modelling</i> , 2015, 39, 6073-6084.	2.2	59
196	Solving the generalized coupled Sylvester matrix equations over generalized bisymmetric matrices. <i>Transactions of the Institute of Measurement and Control</i> , 2015, 37, 291-316.	1.1	5
197	Finite algorithms for solving the coupled Sylvester-conjugate matrix equations over reflexive and Hermitian reflexive matrices. <i>International Journal of Systems Science</i> , 2015, 46, 488-502.	3.7	18
198	Explicit and Iterative Methods for Solving the Matrix Equation $\mathbf{A} \mathbf{V} + \mathbf{B} \mathbf{W} = \mathbf{E} \mathbf{V} \mathbf{F} + \mathbf{C}$ overflow="scroll">< mml:mrow>< mml:mi>A</mml:mi></mml:mrow>< mml:mrow>< mml:mi>V</mml:mi></mml:mrow>< mml:mrow>< mml:mi>B</mml:mi></mml:mrow>< mml:mrow>< mml:mi>W</mml:mi></mml:mrow>< mml:mrow>< mml:mi>E</mml:mi></mml:mrow>< mml:mrow>< mml:mi>V</mml:mi></mml:mrow>< mml:mrow>< mml:mi>F</mml:mi></mml:mrow>< mml:mrow>< mml:mi>C</mml:mi></mml:mrow></mml:math>. <i>Asian Journal of Control</i> , 2015, 17, 1070-1080. 4	1.9	4
199	The scaling conjugate gradient iterative method for two types of linear matrix equations. <i>Computers and Mathematics With Applications</i> , 2015, 70, 1098-1113.	1.4	11
200	Matrix GPBiCG algorithms for solving the general coupled matrix equations. <i>IET Control Theory and Applications</i> , 2015, 9, 74-81.	1.2	50

#	ARTICLE	IF	CITATIONS
201	On the generalized shift-splitting preconditioner for saddle point problems. Applied Mathematics Letters, 2015, 48, 55-61.	1.5	37
202	Two iterative algorithms for the reflexive and Hermitian reflexive solutions of the generalized Sylvester matrix equation. JVC/Journal of Vibration and Control, 2015, 21, 483-492.	1.5	9
203	Reduced-rank gradient-based algorithms for generalized coupled Sylvester matrix equations and its applications. Computers and Mathematics With Applications, 2015, 70, 2049-2062.	1.4	58
204	Convergence analysis of the MCGNR algorithm for the least squares solution group of discrete-time periodic coupled matrix equations. Transactions of the Institute of Measurement and Control, 0, , 014233121360025.	1.1	0
205	Finite-Time Stability and Its Application for Solving Time-Varying Sylvester Equation by Recurrent Neural Network. Neural Processing Letters, 2015, 42, 763-784.	2.0	96
206	A finite iterative algorithm for Hermitian reflexive and skew-Hermitian solution groups of the general coupled linear matrix equations. Journal of Applied Mathematics and Computing, 2015, 48, 129-155.	1.2	0
207	Improved neural dynamics for online Sylvester equations solving. Information Processing Letters, 2016, 116, 455-459.	0.4	11
208	A convergence-accelerated Zhang neural network and its solution application to Lyapunov equation. Neurocomputing, 2016, 193, 213-218.	3.5	110
209	Symmetric solutions of the coupled generalized Sylvester matrix equations via BCR algorithm. Journal of the Franklin Institute, 2016, 353, 3233-3248.	1.9	16
210	A general iterative approach for solving the general constrained linear matrix equations system. Transactions of the Institute of Measurement and Control, 2016, 38, 805-818.	1.1	6
211	Extending the CGLS algorithm for least squares solutions of the generalized Sylvester-transpose matrix equations. Journal of the Franklin Institute, 2016, 353, 1168-1185.	1.9	37
212	Generalized conjugate direction algorithm for solving the general coupled matrix equations over symmetric matrices. Numerical Algorithms, 2016, 73, 591-609.	1.1	33
213	Moore's Penrose inverse of tensors via Einstein product. Linear and Multilinear Algebra, 2016, 64, 686-698.	0.5	113
214	Solving the general Sylvester discrete-time periodic matrix equations via the gradient based iterative method. Applied Mathematics Letters, 2016, 52, 87-95.	1.5	40
215	The accelerated gradient based iterative algorithm for solving a class of generalized Sylvester-transpose matrix equation. Applied Mathematics and Computation, 2016, 273, 1257-1269.	1.4	35
216	Iterative algorithms for $X+ATX^T A=I$ by using the hierarchical identification principle. Journal of the Franklin Institute, 2016, 353, 1132-1146.	1.9	49
217	Least Squares Solution of the Linear Operator Equation. Journal of Optimization Theory and Applications, 2016, 170, 205-219.	0.8	21
218	A finite iterative method for solving the generalized Hamiltonian solutions of coupled Sylvester matrix equations with conjugate transpose. International Journal of Computer Mathematics, 2017, 94, 757-773.	1.0	9

#	ARTICLE	IF	CITATIONS
219	Iterative algorithms for least-squares solutions of a quaternion matrix equation. Journal of Applied Mathematics and Computing, 2017, 53, 95-127.	1.2	7
220	GRADIENT BASED ITERATIVE ALGORITHM TO SOLVE GENERAL COUPLLED DISCRETE-TIME PERIODIC MATRIX EQUATIONS OVER GENERALIZED REFLEXIVE MATRICES. Mathematical Modelling and Analysis, 2017, 21, 533-549.	0.7	10
221	Convergence of HS version of BCR algorithm to solve the generalized Sylvester matrix equation over generalized reflexive matrices. Journal of the Franklin Institute, 2017, 354, 2340-2357.	1.9	11
222	Minimum-norm Hamiltonian solutions of a class of generalized Sylvester-conjugate matrix equations. Computers and Mathematics With Applications, 2017, 73, 747-764.	1.4	8
223	The relaxed gradient based iterative algorithm for solving matrix equations $A - X_1 A X_2 = B$ Computers and Mathematics With Applications, 2017, 74, 597-604.	1.4	8
224	Convergence analysis of the MCGNR algorithm for the least squares solution group of discrete-time periodic coupled matrix equations. Transactions of the Institute of Measurement and Control, 2017, 39, 29-42.	1.1	10
225	Conjugate gradient least squares algorithm for solving the generalized coupled Sylvester matrix equations. Computers and Mathematics With Applications, 2017, 73, 2529-2547.	1.4	24
226	A new approach of analyzing time-varying dynamical equation via an optimal principle. Modern Physics Letters B, 2017, 31, 1750084.	1.0	4
227	Convergence Results of the Biconjugate Residual Algorithm for Solving Generalized Sylvester Matrix Equation. Asian Journal of Control, 2017, 19, 961-968.	1.9	9
228	A finite iterative algorithm for solving the complex generalized coupled Sylvester matrix equations by using the linear operators. Journal of the Franklin Institute, 2017, 354, 1856-1874.	1.9	27
229	A cyclic iterative approach and its modified version to solve coupled Sylvester-transpose matrix equations. Linear and Multilinear Algebra, 2017, 65, 2406-2423.	0.5	4
230	New proof of the gradient-based iterative algorithm for a complex conjugate and transpose matrix equation. Journal of the Franklin Institute, 2017, 354, 7585-7603.	1.9	17
231	Iterative (R, S)-conjugate solutions to the generalised coupled Sylvester matrix equations. International Journal of Systems Science, 2017, 48, 3355-3362.	3.7	0
232	New proof of the gradient-based iterative algorithm for the Sylvester conjugate matrix equation. Computers and Mathematics With Applications, 2017, 74, 3260-3270.	1.4	6
233	Lanczos version of BCR algorithm for solving the generalised second-order Sylvester matrix equation. IET Control Theory and Applications, 2017, 11, 273-281.	1.2	11
234	An efficient iterative algorithm for quaternionic least-squares problems over the generalized -(anti)-bi-Hermitian matrices. Linear and Multilinear Algebra, 2017, 65, 1743-1769.	0.5	10
235	Implicit iterative algorithms with a tuning parameter for discrete stochastic Lyapunov matrix equations. IET Control Theory and Applications, 2017, 11, 1554-1560.	1.2	3
236	General Recurrent Neural Network for Solving Generalized Linear Matrix Equation. Complexity, 2017, 2017, 1-7.	0.9	4



#	ARTICLE	IF	CITATIONS
237	The Relaxed Gradient Based Iterative Algorithm for the Symmetric (Skew Symmetric) Solution of the Sylvester Equation $AX + X^T B = C$ . Mathematical Problems in Engineering, 2017, 2017, 1-8.	0.6	10
238	On the best convergence factors of iterative methods of matrix equations based on the gradient and least squares searches. , 2017, , .		1
239	Gradient-based iterative algorithm for the extended coupled Sylvester matrix equations. , 2017, , .		0
240	A Fully Complex-Valued Gradient Neural Network for Rapidly Computing Complex-Valued Linear Matrix Equations. Chinese Journal of Electronics, 2017, 26, 1194-1197.	0.7	12
241	The relaxed gradient-based iterative algorithms for a class of generalized coupled Sylvester-conjugate matrix equations. Journal of the Franklin Institute, 2018, 355, 3168-3195.	1.9	16
242	An implicit iterative algorithm with a tuning parameter for $l_1$ Lyapunov matrix equations. International Journal of Systems Science, 2018, 49, 425-434.	3.7	5
243	A relaxed gradient based algorithm for solving generalized coupled Sylvester matrix equations. Journal of the Franklin Institute, 2018, 355, 4282-4297.	1.9	27
244	The minimal norm least squares Hermitian solution of the complex matrix equation $AXB + CXD = E$ . Journal of the Franklin Institute, 2018, 355, 1296-1310.	1.9	13
245	Gradient-based iterative algorithms for generalized coupled Sylvester-conjugate matrix equations. Computers and Mathematics With Applications, 2018, 75, 2295-2310.	1.4	7
246	A noise-tolerant Z-type neural network for time-dependent pseudoinverse matrices. Optik, 2018, 165, 16-28.	1.4	20
247	Finite iterative Hermitian-conjugate solutions of the generalized coupled Sylvester-conjugate matrix equations. Computers and Mathematics With Applications, 2018, 75, 3367-3378.	1.4	3
248	Generalized reflexive and anti-reflexive solutions of the coupled Sylvester matrix equations via CD algorithm. JVC/Journal of Vibration and Control, 2018, 24, 343-356.	1.5	3
249	Finding solutions for periodic discrete-time generalized coupled Sylvester matrix equations via the generalized BCR method. Transactions of the Institute of Measurement and Control, 2018, 40, 647-656.	1.1	6
250	An accelerated gradient-based iterative algorithm for solving extended Sylvester-conjugate matrix equations. Transactions of the Institute of Measurement and Control, 2018, 40, 341-347.	1.1	9
251	A Discrete-Time Recurrent Neural Network for Solving Rank-Deficient Matrix Equations With an Application to Output Regulation of Linear Systems. IEEE Transactions on Neural Networks and Learning Systems, 2018, 29, 2271-2277.	7.2	13
252	Design and Analysis of FTZNN Applied to the Real-Time Solution of a Nonstationary Lyapunov Equation and Tracking Control of a Wheeled Mobile Manipulator. IEEE Transactions on Industrial Informatics, 2018, 14, 98-105.	7.2	209
253	A modified gradient-based algorithm for solving extended Sylvester-conjugate matrix equations. Asian Journal of Control, 2018, 20, 228-235.	1.9	13
254	Matrix form of Biconjugate Residual Algorithm to Solve the Discrete-Time Periodic Sylvester Matrix Equations. Asian Journal of Control, 2018, 20, 49-56.	1.9	14



#	ARTICLE	IF	CITATIONS
255	Convergence properties of BCR method for generalized Sylvester matrix equation over generalized reflexive and anti-reflexive matrices. <i>Linear and Multilinear Algebra</i> , 2018, 66, 1975-1990.	0.5	14
256	On the convergence of conjugate direction algorithm for solving coupled Sylvester matrix equations. <i>Computational and Applied Mathematics</i> , 2018, 37, 3077-3092.	1.3	2
257	BCR method for solving generalized coupled Sylvester equations over centrosymmetric or anti-centrosymmetric matrix. <i>Computers and Mathematics With Applications</i> , 2018, 75, 70-88.	1.4	12
258	An iterative algorithm for discrete periodic Lyapunov matrix equations. <i>Automatica</i> , 2018, 87, 395-403.	3.0	19
259	Global FOM and GMRES algorithms for a class of complex matrix equations. <i>Journal of Computational and Applied Mathematics</i> , 2018, 335, 227-241.	1.1	3
260	Nonlinear recurrent neural networks for finite-time solution of general time-varying linear matrix equations. <i>Neural Networks</i> , 2018, 98, 102-113.	3.3	143
261	An iterative algorithm for solving the generalized Sylvester-conjugate matrix equation. <i>Journal of Applied Mathematics and Computing</i> , 2018, 58, 545-566.	1.2	3
262	The eigenvalues range of a class of matrices and some applications in Cauchy's Schwarz inequality and iterative methods. <i>Applied Mathematics and Computation</i> , 2018, 321, 37-48.	1.4	4
263	Adaptive PI and SMC for Control of Uncertain and Varying Time-Delay Chaotic Coronary Artery Vessel. , 2018, , .		0
264	A New Least Squares Iterative Estimation Algorithm for CARAR Systems. , 2018, , .		1
265	The GPBiCOR Method for Solving the General Matrix Equation and the General Discrete-Time Periodic Matrix Equations. <i>IEEE Access</i> , 2018, 6, 68649-68674.	2.6	2
266	An Iterative Algorithm with a Tuning Parameter for Continuous Lyapunov Matrix Equations. , 2018, , .		0
267	A nonlinear and noise-tolerant ZNN model solving for time-varying linear matrix equation. <i>Neurocomputing</i> , 2018, 317, 70-78.	3.5	39
268	Noise-Resistant Discrete-Time Neural Dynamics for Computing Time-Dependent Lyapunov Equation. <i>IEEE Access</i> , 2018, 6, 45359-45371.	2.6	18
269	Conjugate gradient least squares algorithm for solving the generalized coupled Sylvester-conjugate matrix equations. <i>Applied Mathematics and Computation</i> , 2018, 334, 174-191.	1.4	5
270	Knowledge-aided iterative detection and decoding for multiuser multiple-antenna systems. <i>IET Communications</i> , 2018, 12, 1373-1379.	1.5	2
271	Zeroing Neural Dynamics for Control Design: Comprehensive Analysis on Stability, Robustness, and Convergence Speed. <i>IEEE Transactions on Industrial Informatics</i> , 2019, 15, 2605-2616.	7.2	68
272	A 5-instant finite difference formula to find discrete time-varying generalized matrix inverses, matrix inverses, and scalar reciprocals. <i>Numerical Algorithms</i> , 2019, 81, 609-629.	1.1	10

#	ARTICLE	IF	CITATIONS
273	An Improved Squirrel Search Algorithm for Optimization. Complexity, 2019, 2019, 1-31.	0.9	32
274	Least-Norm of the General Solution to Some System of Quaternion Matrix Equations and Its Determinantal Representations. Abstract and Applied Analysis, 2019, 2019, 1-18.	0.3	2
275	A new noise-tolerant and predefined-time ZNN model for time-dependent matrix inversion. Neural Networks, 2019, 117, 124-134.	3.3	68
276	Large-scale algebraic Riccati equations with high-rank constant terms. Journal of Computational and Applied Mathematics, 2019, 361, 130-143.	1.1	11
277	Neural networks based approach solving multi-linear systems with $M$ -tensors. Neurocomputing, 2019, 351, 33-42.	3.5	46
278	Terminal computing for Sylvester equations solving with application to intelligent control of redundant manipulators. Neurocomputing, 2019, 335, 119-130.	3.5	13
279	New Zeroing Neural Network Models for Solving Nonstationary Sylvester Equation With Verifications on Mobile Manipulators. IEEE Transactions on Industrial Informatics, 2019, 15, 5011-5022.	7.2	45
280	Performance Benefits of Robust Nonlinear Zeroing Neural Network for Finding Accurate Solution of Lyapunov Equation in Presence of Various Noises. IEEE Transactions on Industrial Informatics, 2019, 15, 5161-5171.	7.2	77
281	The General Solution to a System of Coupled Sylvester-Type Quaternion Tensor Equations Involving $\eta$ -Hermicity. Bulletin of the Iranian Mathematical Society, 2019, 45, 1407-1430.	0.4	25
282	An Improved Complex-Valued Recurrent Neural Network Model for Time-Varying Complex-Valued Sylvester Equation. IEEE Access, 2019, 7, 19291-19302.	2.6	15
283	A shifted complex global Lanczos method and the quasi-minimal residual variant for the Stein-conjugate matrix equation $X+AX^{\top}B=C$ . Journal of Computational and Applied Mathematics, 2019, 357, 1-11.	1.1	7
284	Distributed algorithm for solving linear algebraic equations: An implicit gradient neural network approach. , 2019, , .		2
285	Zeroing-Type Recurrent Neural Network for Solving Time-Dependent Lyapunov Equation with Noise Rejection. , 2019, , .		1
286	Restarted global FOM and GMRES algorithms for the Stein-like matrix equation $X+M(X)=C$ . Applied Mathematics and Computation, 2019, 348, 206-214.	1.4	1
287	Quasi gradient-based inversion-free iterative algorithm for solving a class of the nonlinear matrix equations. Computers and Mathematics With Applications, 2019, 77, 1233-1244.	1.4	39
288	Bounded Z-type neurodynamics with limited-time convergence and noise tolerance for calculating time-dependent Lyapunov equation. Neurocomputing, 2019, 325, 234-241.	3.5	38
289	The conjugate gradient methods for solving the generalized periodic Sylvester matrix equations. Journal of Applied Mathematics and Computing, 2019, 60, 413-434.	1.2	10
290	An iterative algorithm to solve the generalized Sylvester tensor equations. Linear and Multilinear Algebra, 2020, 68, 1175-1200.	0.5	25

#	ARTICLE	IF	CITATIONS
291	Tensor Product-Based Model Transformation and Optimal Controller Design for High Order Nonlinear Singularly Perturbed Systems. Asian Journal of Control, 2020, 22, 486-499.	1.9	6
292	Partially doubly symmetric solutions of general Sylvester matrix equations. Transactions of the Institute of Measurement and Control, 2020, 42, 503-517.	1.1	2
293	A modified CG algorithm for solving generalized coupled Sylvester tensor equations. Applied Mathematics and Computation, 2020, 365, 124699.	1.4	15
294	Global least squares methods based on tensor form to solve a class of generalized Sylvester tensor equations. Applied Mathematics and Computation, 2020, 369, 124892.	1.4	9
295	Comprehensive design and analysis of time-varying delayed zeroing neural network and its application to matrix inversion. Neurocomputing, 2020, 379, 273-283.	3.5	8
296	Neural network approach for solving nonsingular multi-linear tensor systems. Journal of Computational and Applied Mathematics, 2020, 368, 112569.	1.1	27
297	Numerical algorithms for solving discrete Lyapunov tensor equation. Journal of Computational and Applied Mathematics, 2020, 370, 112676.	1.1	15
298	Modified gradient neural networks for solving the time-varying Sylvester equation with adaptive coefficients and elimination of matrix inversion. Neurocomputing, 2020, 379, 1-11.	3.5	39
299	An iterative algorithm for robust simulation of the Sylvester matrix differential equations. Advances in Difference Equations, 2020, 2020, .	3.5	4
300	Modified Jacobi-Gradient Iterative Method for Generalized Sylvester Matrix Equation. Symmetry, 2020, 12, 1831.	1.1	10
301	Two-parameters numerical methods of the non-symmetric algebraic Riccati equation. Journal of Computational and Applied Mathematics, 2020, 378, 112933.	1.1	1
302	Gradient Iterative Method with Optimal Convergent Factor for Solving a Generalized Sylvester Matrix Equation with Applications to Diffusion Equations. Symmetry, 2020, 12, 1732.	1.1	2
303	Fourth-order tensor Riccati equations with the Einstein product. Linear and Multilinear Algebra, 2022, 70, 1831-1853.	0.5	7
304	Modified Kalman filtering based multi-step-length gradient iterative algorithm for ARX models with random missing outputs. Automatica, 2020, 118, 109034.	3.0	106
305	On a transformation of the $\hat{A}$ -congruence Sylvester equation for the least squares optimization. Optimization Methods and Software, 2020, 35, 974-981.	1.6	1
306	Krylov subspace projection method for Sylvester tensor equation with low rank right-hand side. Numerical Algorithms, 2020, 84, 1411-1430.	1.1	8
307	Explicit Iterative Algorithms for Continuous Coupled Lyapunov Matrix Equations. IEEE Transactions on Automatic Control, 2020, 65, 3631-3638.	3.6	7
308	Conjugate gradient-like methods for solving general tensor equation with Einstein product. Journal of the Franklin Institute, 2020, 357, 4272-4285.	1.9	14

#	ARTICLE	IF	CITATIONS
309	A tensor format for the generalized Hessenberg method for solving Sylvester tensor equations. Journal of Computational and Applied Mathematics, 2020, 377, 112878.	1.1	16
310	Comprehensive Analysis of a New Varying Parameter Zeroing Neural Network for Time Varying Matrix Inversion. IEEE Transactions on Industrial Informatics, 2021, 17, 1604-1613.	7.2	26
311	Design and Analysis of Two Prescribed-Time and Robust ZNN Models With Application to Time-Variant Stein Matrix Equation. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 1668-1677.	7.2	21
312	Extended conjugate gradient squared and conjugate residual squared methods for solving the generalized coupled Sylvester tensor equations. Transactions of the Institute of Measurement and Control, 2021, 43, 519-527.	1.1	12
313	New Noise-Tolerant ZNN Models With Predefined-Time Convergence for Time-Variant Sylvester Equation Solving. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3629-3640.	5.9	37
314	Iterative solution to a class of complex matrix equations and its application in time-varying linear system. Journal of Applied Mathematics and Computing, 2021, 67, 317-341.	1.2	6
315	Extended Krylov subspace methods for solving Sylvester and Stein tensor equations. Discrete and Continuous Dynamical Systems - Series S, 2022, 15, 41.	0.6	1
316	Robust Finite-Time Zeroing Neural Networks With Fixed and Varying Parameters for Solving Dynamic Generalized Lyapunov Equation. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 7695-7705.	7.2	3
317	Convergence analysis of a gradient iterative algorithm with optimal convergence factor for a generalized Sylvester-transpose matrix equation. AIMS Mathematics, 2021, 6, 8477-8496.	0.7	5
318	Solving Time-Varying Complex-Valued Sylvester Equation via Adaptive Coefficient and Non-convex Projection Zeroing Neural Network. IEEE Access, 2021, , 1-1.	2.6	2
319	FINITE ITERATIVE (R, S)-CONJUGATE SOLUTIONS OF THE GENERALIZED COMPLEX COUPLED SYLVESTER-TRANSPOSE EQUATIONS. Journal of Applied Analysis and Computation, 2021, 11, 309-332.	0.2	0
320	Newton iterative identification method for nonlinear systems. , 2021, , .		2
321	A relaxed MSIO iteration algorithm for solving coupled discrete Markovian jump Lyapunov equations. Journal of the Franklin Institute, 2021, 358, 3051-3076.	1.9	5
322	A Flexible Global GCRO-DR Method for Shifted Linear Systems and General Coupled Matrix Equations. Journal of Mathematics, 2021, 2021, 1-17.	0.5	1
323	Conjugate gradient-like algorithms for constrained operator equation related to quadratic inverse eigenvalue problems. Computational and Applied Mathematics, 2021, 40, 1.	1.0	1
324	Approximated least-squares solutions of a generalized Sylvester-transpose matrix equation via gradient-descent iterative algorithm. Advances in Difference Equations, 2021, 2021, .	3.5	4
325	A Nonlinear Activated ZNN Model for Real-time Solution of Time-Varying Sylvester Equation. , 2021, , .		0
326	A global variant of the COCR method for the complex symmetric Sylvester matrix equation $AX + X^T B = C$ . Computers and Mathematics With Applications, 2021, 94, 104-113.	1.4	3

#	ARTICLE	IF	CITATIONS
327	The iterative solution of a class of tensor equations via Einstein product with a tensor inequality constraint. <i>Linear and Multilinear Algebra</i> , 2022, 70, 6321-6344.	0.5	1
328	Gradient-based neural networks for online solutions of coupled Lyapunov matrix equations. <i>Neurocomputing</i> , 2021, 453, 599-609.	3.5	4
329	A note on "Solving the general Sylvester discrete-time periodic matrix equations via the gradient based iterative method". <i>Applied Mathematics Letters</i> , 2021, 119, 107149.	1.5	2
330	A family of varying-parameter finite-time zeroing neural networks for solving time-varying Sylvester equation and its application. <i>Journal of Computational and Applied Mathematics</i> , 2022, 403, 113826.	1.1	14
331	A robust meta-heuristic adaptive Bi-CGSTAB algorithm to online estimation of a three DoF state "space model in the presence of disturbance and uncertainty. <i>International Journal of Systems Science</i> , 0, , 1-18.	3.7	0
332	Convergence analysis of gradient-based iterative algorithms for a class of rectangular Sylvester matrix equations based on Banach contraction principle. <i>Advances in Difference Equations</i> , 2021, 2021, .	3.5	9
333	An iterative algorithm for discrete Lyapunov matrix equations. <i>IET Control Theory and Applications</i> , 2021, 15, 2027-2038.	1.2	0
334	MATLAB Simulation and Comparison of Zhang Neural Network and Gradient Neural Network for Time-Varying Lyapunov Equation Solving. <i>Lecture Notes in Computer Science</i> , 2008, , 117-127.	1.0	4
335	Multi-innovation Generalized Extended Stochastic Gradient Algorithm for Multi-Input Multi-Output Nonlinear Box-Jenkins Systems Based on the Auxiliary Model. <i>Lecture Notes in Computer Science</i> , 2010, , 136-146.	1.0	2
336	Coupled iterative algorithms based on optimisation for solving Sylvester matrix equations. <i>IET Control Theory and Applications</i> , 2019, 13, 584-593.	1.2	5
337	Finite Iterative Algorithm for Solving a Class of Complex Matrix Equation with Two Unknowns of General Form. <i>Applied and Computational Mathematics</i> , 2014, 3, 273.	0.2	3
338	Noise-tolerant continuous-time Zhang neural networks for time-varying Sylvester tensor equations. <i>Advances in Difference Equations</i> , 2019, 2019, .	3.5	3
339	The steepest descent of gradient-based iterative method for solving rectangular linear systems with an application to Poisson's equation. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	6
340	Gradient-descent iterative algorithm for solving a class of linear matrix equations with applications to heat and Poisson equations. <i>Advances in Difference Equations</i> , 2020, 2020, .	3.5	5
341	An Iterative algorithm for $\eta$ -(anti)-Hermitian least-squares solutions of quaternion matrix equations. <i>Electronic Journal of Linear Algebra</i> , 0, 30, .	0.6	14
342	The optimal convergence factor of the gradient based iterative algorithm for linear matrix equations. <i>Filomat</i> , 2012, 26, 607-613.	0.2	15
343	An iterative solution to coupled quaternion matrix equations. <i>Filomat</i> , 2012, 26, 809-826.	0.2	13
344	Iterative Hermitian R-conjugate solutions to general coupled sylvester matrix equations. <i>Filomat</i> , 2017, 31, 2061-2072.	0.2	4

#	ARTICLE	IF	CITATIONS
345	An accelerated Jacobi-gradient based iterative algorithm for solving Sylvester matrix equations. Filomat, 2017, 31, 2381-2390.	0.2	29
346	Biconjugate residual algorithm for solving general Sylvester-transpose matrix equations. Filomat, 2018, 32, 5307-5318.	0.2	2
347	The reflexive and Hermitian reflexive solutions of the generalized Sylvester-conjugate matrix equation. Bulletin of the Belgian Mathematical Society - Simon Stevin, 2013, 20, .	0.1	6
348	An iterative algorithm for periodic Sylvester matrix equations. Journal of Industrial and Management Optimization, 2018, 14, 413-425.	0.8	4
349	ON THE REFLEXIVE SOLUTIONS OF THE MATRIX EQUATION $AXB + CYD = E$ . Bulletin of the Korean Mathematical Society, 2009, 46, 511-519.	0.3	24
350	AN ITERATIVE ALGORITHM FOR THE LEAST SQUARES SOLUTIONS OF MATRIX EQUATIONS OVER SYMMETRIC ARROWHEAD MATRICES. Journal of the Korean Mathematical Society, 2015, 52, 349-372.	0.4	3
351	A new approach for computing the solution of Sylvester matrix equation. Journal of Interpolation and Approximation in Scientific Computing, 2016, 2016, 66-76.	0.3	2
352	Gradient-based Algorithm for Solving Cross-coupled Algebraic Lyapunov Equation. Transactions of the Society of Instrument and Control Engineers, 2007, 43, 829-831.	0.1	0
354	The reflexive solution to the system of Sylvester-conjugate matrix equations. Asian Journal of Control, 2011, , n/a-n/a.	1.9	0
355	A global transpose-free method with quasi-minimal residual strategy for the Sylvester equations. Filomat, 2013, 27, 1437-1446.	0.2	0
356	Rectangular NSEs. , 2015, , 341-374.		0
357	A gradient based iterative method and associated preconditioning technique for solving the large multilinear systems. Calcolo, 2021, 58, 1.	0.6	1
358	Global Hessenberg and CMRH methods for a class of complex matrix equations. Journal of Computational and Applied Mathematics, 2022, 404, 113868.	1.1	1
359	A Rayleigh quotientâ€gradient neural network method for computing $\lambda$ -eigenpairs of general tensors. Numerical Linear Algebra With Applications, 2022, 29, e2420.	0.9	5
360	Solving Two Coupled Fuzzy Sylvester Matrix Equations Using Iterative Least-squares Solutions. Fuzzy Information and Engineering, 2020, 12, 464-489.	1.0	0
361	Accelerating noise-tolerant zeroing neural network with fixed-time convergence to solve the time-varying Sylvester equation. Automatica, 2022, 135, 109998.	3.0	11
362	Iterative Methods for Solving Sylvester Transpose Tensor Equation $A^* X B + C^* X^* D = E$ . SN Operations Research Forum, 2021, 2, 1.	0.6	1
363	Conjugate gradient algorithm for consistent generalized Sylvester-transpose matrix equations. AIMS Mathematics, 2022, 7, 5386-5407.	0.7	2



#	ARTICLE	IF	CITATIONS
364	Preconditioned TBICOR and TCORS algorithms for solving the Sylvester tensor equation. Applied Mathematics and Computation, 2022, 422, 126984.	1.4	0
365	On RGI Algorithms for Solving Sylvester Tensor Equations. Taiwanese Journal of Mathematics, 2022, 26, .	0.2	4
366	Modification on the convergence results of the Sylvester matrix equation $Ax = X + B$ . Journal of the Franklin Institute, 2022, 359, 3126-3147.	1.9	4
367	Gradient-Based Optimization Algorithm for Solving Sylvester Matrix Equation. Mathematics, 2022, 10, 1040.	1.1	2
368	Three Symmetrical Systems of Coupled Sylvester-like Quaternion Matrix Equations. Symmetry, 2022, 14, 550.	1.1	23
369	Single step iterative method for linear system of equations with complex symmetric positive semi-definite coefficient matrices. Applied Mathematics and Computation, 2022, 426, 127111.	1.4	1
370	Gradient-based neural networks for solving periodic Sylvester matrix equations. Journal of the Franklin Institute, 2022, 359, 10849-10866.	1.9	25
371	EOG-Based Human-Computer Interface: 2000-2020 Review. Sensors, 2022, 22, 4914.	2.1	5
372	Generalized conjugate direction algorithm for solving generalized coupled Sylvester transpose matrix equations over reflexive or anti-reflexive matrices. Journal of the Franklin Institute, 2022, 359, 6958-6985.	1.9	3
373	New results of the IO iteration algorithm for solving Sylvester matrix equation. Journal of the Franklin Institute, 2022, 359, 8201-8217.	1.9	1
374	Hyperbolic tangent variant-parameter robust ZNN schemes for solving time-varying control equations and tracking of mobile robot. Neurocomputing, 2022, 510, 218-232.	3.5	3
375	Numerical Solution of Sylvester Equation Based on Iterative Predictor-Corrector Method. Journal of Mathematics, 2022, 2022, 1-7.	0.5	0
376	On the relaxed gradient-based iterative methods for the generalized coupled Sylvester-transpose matrix equations. Journal of the Franklin Institute, 2022, 359, 10688-10725.	1.9	2
377	Solving and Algorithm to System of Quaternion Sylvester-Type Matrix Equations with $\mathbb{H}^n$ -Hermiticity. Advances in Applied Clifford Algebras, 2022, 32, .	0.5	1
378	A relaxed gradient based iterative algorithm of the generalized Sylvester-conjugate matrix equation over centro-symmetric and centro-Hermitian matrices. JVC/Journal of Vibration and Control, 0, , 107754632211178.	1.5	0
379	The dynamical functional particle method for multi-term linear matrix equations. Applied Mathematics and Computation, 2022, 435, 127458.	1.4	0
380	Developing Kaczmarz method for solving Sylvester matrix equations. Journal of the Franklin Institute, 2022, 359, 8991-9005.	1.9	5
381	An intelligent fuzzy robustness ZNN model with fixed-time convergence for time-variant Stein matrix equation. International Journal of Intelligent Systems, 2022, 37, 11670-11691.	3.3	4



#	ARTICLE	IF	CITATIONS
382	Conjugate gradient-based iterative algorithm for solving generalized periodic coupled Sylvester matrix equations. Journal of the Franklin Institute, 2022, 359, 9925-9951.	1.9	6
383	Factor gradient iterative algorithm for solving a class of discrete periodic Sylvester matrix equations. Journal of the Franklin Institute, 2022, 359, 9952-9970.	1.9	3
384	A novel finite-time complex-valued zeroing neural network for solving time-varying complex-valued Sylvester equation. Journal of the Franklin Institute, 2022, , .	1.9	0
386	On the minimum-norm least squares solution of the complex generalized coupled Sylvester matrix equations. Journal of the Franklin Institute, 2022, , .	1.9	0
389	An Efficient Takagiâ€“Sugeno Fuzzy Zeroing Neural Network for Solving Time-Varying Sylvester Equation. IEEE Transactions on Fuzzy Systems, 2023, 31, 2401-2411.	6.5	3
390	An improved gradient neural network for solving periodic Sylvester matrix equations. Journal of the Franklin Institute, 2023, 360, 4056-4070.	1.9	1
391	Solving and Algorithm for Least-Norm General Solution to Constrained Sylvester Matrix Equation. , 0, , .		0
392	Tensor form of GPBiCG algorithm for solving the generalized Sylvester quaternion tensor equations. Journal of the Franklin Institute, 2023, 360, 5929-5946.	1.9	2
406	The full-rank JGI algorithm for the generalized coupled Sylvester-transpose matrix equations. , 2023, , .		0
407	A Fuzzy Adaptive Zeroing Neural Network with Noise Tolerance for Time-varying Stein Matrix Equation Solving. , 2023, , .		0