

# Min Gan

## List of Publications by Year in descending order

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62  
papers

2,008  
citations

201575

27  
h-index

243529

44  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1327  
citing authors

#	ARTICLE	IF	CITATIONS
1	Fuzzy Restricted Boltzmann Machine for the Enhancement of Deep Learning. IEEE Transactions on Fuzzy Systems, 2015, 23, 2163-2173.	6.5	187
2	Predictive Deep Boltzmann Machine for Multiperiod Wind Speed Forecasting. IEEE Transactions on Sustainable Energy, 2015, 6, 1416-1425.	5.9	186
3	On Some Separated Algorithms for Separable Nonlinear Least Squares Problems. IEEE Transactions on Cybernetics, 2018, 48, 2866-2874.	6.2	142
4	A Novel EM Identification Method for Hammerstein Systems With Missing Output Data. IEEE Transactions on Industrial Informatics, 2020, 16, 2500-2508.	7.2	107
5	A Variable Projection Approach for Efficient Estimation of RBF-ARX Model. IEEE Transactions on Cybernetics, 2015, 45, 462-471.	6.2	92
6	Fine Perceptive GANs for Brain MR Image Super-Resolution in Wavelet Domain. IEEE Transactions on Neural Networks and Learning Systems, 2023, 34, 8802-8814.	7.2	76
7	Diabetic Retinopathy Diagnosis Using Multichannel Generative Adversarial Network With Semisupervision. IEEE Transactions on Automation Science and Engineering, 2021, 18, 574-585.	3.4	71
8	A locally linear RBF network-based state-dependent AR model for nonlinear time series modeling. Information Sciences, 2010, 180, 4370-4383.	4.0	68
9	Generalized exponential autoregressive models for nonlinear time series: Stationarity, estimation and applications. Information Sciences, 2018, 438, 46-57.	4.0	67
10	Term Selection for a Class of Separable Nonlinear Models. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 445-451.	7.2	63
11	A novel reduced-order algorithm for rational models based on Arnoldi process and Krylov subspace. Automatica, 2021, 129, 109663.	3.0	57
12	Modified Gram-Schmidt Method-Based Variable Projection Algorithm for Separable Nonlinear Models. IEEE Transactions on Neural Networks and Learning Systems, 2019, 30, 2410-2418.	7.2	53
13	A hybrid algorithm to optimize RBF network architecture and parameters for nonlinear time series prediction. Applied Mathematical Modelling, 2012, 36, 2911-2919.	2.2	50
14	Gradient Radial Basis Function Based Varying-Coefficient Autoregressive Model for Nonlinear and Nonstationary Time Series. IEEE Signal Processing Letters, 2015, 22, 809-812.	2.1	50
15	Design a Wind Speed Prediction Model Using Probabilistic Fuzzy System. IEEE Transactions on Industrial Informatics, 2012, 8, 819-827.	7.2	49
16	Combined effects of jarosite and visible light on chalcopyrite dissolution mediated by Acidithiobacillus ferrooxidans. Science of the Total Environment, 2020, 698, 134175.	3.9	47
17	Catalytic effect of silver on copper release from chalcopyrite mediated by Acidithiobacillus ferrooxidans. Journal of Hazardous Materials, 2020, 392, 122290.	6.5	44
18	Exploiting the interpretability and forecasting ability of the RBF-AR model for nonlinear time series. International Journal of Systems Science, 2016, 47, 1868-1876.	3.7	40

#	ARTICLE	IF	CITATIONS
19	Stability analysis of RBF network-based state-dependent autoregressive model for nonlinear time series. <i>Applied Soft Computing Journal</i> , 2012, 12, 174-181.	4.1	35
20	An Efficient Variable Projection Formulation for Separable Nonlinear Least Squares Problems. <i>IEEE Transactions on Cybernetics</i> , 2014, 44, 707-711.	6.2	35
21	Seasonal and trend time series forecasting based on a quasi-linear autoregressive model. <i>Applied Soft Computing Journal</i> , 2014, 24, 13-18.	4.1	35
22	Multiscale Low-Light Image Enhancement Network With Illumination Constraint. <i>IEEE Transactions on Circuits and Systems for Video Technology</i> , 2022, 32, 7403-7417.	5.6	35
23	Catalytic effect of light illumination on bioleaching of chalcopyrite. <i>Bioresource Technology</i> , 2015, 182, 345-352.	4.8	34
24	Recursive Variable Projection Algorithm for a Class of Separable Nonlinear Models. <i>IEEE Transactions on Neural Networks and Learning Systems</i> , 2021, 32, 4971-4982.	7.2	34
25	A Two-Stage Estimation Algorithm Based on Variable Projection Method for GPS Positioning. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2018, 67, 2518-2525.	2.4	32
26	Adaptive RBF-AR Models Based on Multi-Innovation Least Squares Method. <i>IEEE Signal Processing Letters</i> , 2019, 26, 1182-1186.	2.1	31
27	The use of biochar for controlling acid mine drainage through the inhibition of chalcopyrite biodissolution. <i>Science of the Total Environment</i> , 2020, 737, 139485.	3.9	28
28	Basis Function Matrix-Based Flexible Coefficient Autoregressive Models: A Framework for Time Series and Nonlinear System Modeling. <i>IEEE Transactions on Cybernetics</i> , 2021, 51, 614-623.	6.2	28
29	A Regularized Variable Projection Algorithm for Separable Nonlinear Least Squares Problems. <i>IEEE Transactions on Automatic Control</i> , 2018, , 1-1.	3.6	25
30	A global-to-local optimization approach to parameter estimation of RBF-type models. <i>Information Sciences</i> , 2012, 197, 144-160.	4.0	24
31	Weighted Generalized Cross-Validation-Based Regularization for Broad Learning System. <i>IEEE Transactions on Cybernetics</i> , 2022, 52, 4064-4072.	6.2	21
32	An adaptive decision maker for constrained evolutionary optimization. <i>Applied Mathematics and Computation</i> , 2010, 215, 4172-4184.	1.4	18
33	Insights Into Algorithms for Separable Nonlinear Least Squares Problems. <i>IEEE Transactions on Image Processing</i> , 2021, 30, 1207-1218.	6.0	15
34	Multidirection Gradient Iterative Algorithm: A Unified Framework for Gradient Iterative and Least Squares Algorithms. <i>IEEE Transactions on Automatic Control</i> , 2022, 67, 6770-6777.	3.6	15
35	The effect of different state sizes on Mycielski approach for wind speed prediction. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2012, 109, 89-93.	1.7	9
36	Robust Model Predictive Control Algorithm With Variable Feedback Gains for Output Tracking. <i>IEEE Transactions on Industrial Electronics</i> , 2021, 68, 4228-4237.	5.2	9

#	ARTICLE	IF	CITATIONS
37	Multiscale Cross-Connected Dehazing Network With Scene Depth Fusion. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 1598-1612.	7.2	9
38	Testing for nonlinearity in solar radiation time series by a fast surrogate data test method. Solar Energy, 2012, 86, 2893-2896.	2.9	8
39	Robust Standard Gradient Descent Algorithm for ARX Models Using Aitken Acceleration Technique. IEEE Transactions on Cybernetics, 2022, 52, 9646-9655.	6.2	8
40	Autonomous Vehicle Lateral Control Based on Fractional-order PID. , 2021, , .		8
41	Augmented flexible least squares algorithm for time-varying parameter systems. International Journal of Robust and Nonlinear Control, 2022, 32, 3549-3567.	2.1	8
42	A new optimal portfolio selection strategy based on a quadratic form mean-variance model with transaction costs. Optimal Control Applications and Methods, 2011, 32, 127-138.	1.3	7
43	Quality control of imbalanced mass spectra from isotopic labeling experiments. BMC Bioinformatics, 2019, 20, 549.	1.2	7
44	Multiple Kernel Fuzzy Clustering With Unsupervised Random Forests Kernel and Matrix-Induced Regularization. IEEE Access, 2019, 7, 3967-3979.	2.6	7
45	Two-stage recursive identification algorithms for a class of nonlinear time series models with colored noise. International Journal of Robust and Nonlinear Control, 2020, 30, 7766-7782.	2.1	5
46	Constrained Variable Projection Optimization for Stationary RBF-AR Models. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1882-1890.	5.9	5
47	A Potential Method for Determining Nonlinearity in Wind Data. IEEE Power and Energy Technology Systems Journal, 2015, 2, 74-81.	3.5	4
48	A Self-Organizing State Space Type Microstructure Model for Financial Asset Allocation. IEEE Access, 2016, 4, 8035-8043.	2.6	3
49	Frequency Principle in Broad Learning System. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6983-6989.	7.2	3
50	An Iterative Implementation of Variable Projection for Separable Nonlinear Optimization Problems. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7259-7267.	5.9	3
51	A hybrid approach for parameter optimization of RBF-AR model. , 2010, , .		2
52	Regularization methods for separable nonlinear models. Nonlinear Dynamics, 2019, 98, 1287-1298.	2.7	2
53	Varying Infimum Gradient Descent Algorithm for Agent-Server Systems With Uncertain Communication Network. IEEE Transactions on Instrumentation and Measurement, 2021, 70, 1-11.	2.4	2
54	Nuisance Parameter Estimation Algorithms for Separable Nonlinear Models. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7236-7247.	5.9	2

#	ARTICLE	IF	CITATIONS
55	Detection of low-frequency large-amplitude jump in financial time series. , 2007, , .		1
56	Parameter estimation for an exponential autoregressive time series model by the Newton search and multi-innovation theory. International Journal of Systems Science, 2021, 52, 2630-2645.	3.7	1
57	Initial Distribution Search Algorithm for Self-organizing State Space Model. Zidonghua Xuebao/Acta Automatica Sinica, 2012, 38, 1538.	0.3	1
58	Parameters Estimation of RBF-AR Model Based on EM and Variable Projection Algorithm. , 2020, , .		0
59	BFGS method based variable projection approach for image restoration. IET Image Processing, 2021, 15, 2854-2865.	1.4	0
60	Accelerating variable projection algorithm by Aitken technique. , 2021, , .		0
61	Parameter Space Reduction Based L2-norm Noise Constrained Estimation for Image Restoration. , 2020, , .		0
62	A functional promoter from the archaeon Halobacterium salinarum is also transcriptionally active in E. coli. BMC Microbiology, 2022, 22, 79.	1.3	0