# Min Gan

## List of Publications by Year
in descending order

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|---|---|---|---|
| **62**<br>papers | **2,008**<br>citations | 201385<br>**27**<br>h-index | 243296<br>**44**<br>g-index |
| **62**<br>all docs | **62**<br>docs citations | **62**<br>times ranked | **1327**<br>citing authors |

| # | ARTICLE | IF | CITATIONS |
|---|---------|-----|-----------|
| 1 | Multiscale Cross-Connected Dehazing Network With Scene Depth Fusion. IEEE Transactions on Neural Networks and Learning Systems, 2024, 35, 1598-1612. | 7.2 | 9 |
| 2 | 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 |
| 3 | Weighted Generalized Cross-Validation-Based Regularization for Broad Learning System. IEEE Transactions on Cybernetics, 2022, 52, 4064-4072. | 6.2 | 21 |
| 4 | Frequency Principle in Broad Learning System. IEEE Transactions on Neural Networks and Learning Systems, 2022, 33, 6983-6989. | 7.2 | 3 |
| 5 | Robust Standard Gradient Descent Algorithm for ARX Models Using Aitken Acceleration Technique. IEEE Transactions on Cybernetics, 2022, 52, 9646-9655. | 6.2 | 8 |
| 6 | Constrained Variable Projection Optimization for Stationary RBF-AR Models. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 1882-1890. | 5.9 | 5 |
| 7 | Multidirection Gradient Iterative Algorithm: A Unified Framework for Gradient Iterative and Least Squares Algorithms. IEEE Transactions on Automatic Control, 2022, 67, 6770-6777. | 3.6 | 15 |
| 8 | Nuisance Parameter Estimation Algorithms for Separable Nonlinear Models. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 7236-7247. | 5.9 | 2 |
| 9 | A functional promoter from the archaeon Halobacterium salinarum is also transcriptionally active in E. coli. BMC Microbiology, 2022, 22, 79. | 1.3 | 0 |
| 10 | Augmented flexible least squares algorithm for time€varying parameter systems. International Journal of Robust and Nonlinear Control, 2022, 32, 3549-3567. | 2.1 | 8 |
| 11 | 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 |
| 12 | Multiscale Low-Light Image Enhancement Network With Illumination Constraint. IEEE Transactions on Circuits and Systems for Video Technology, 2022, 32, 7403-7417. | 5.6 | 35 |
| 13 | Recursive Variable Projection Algorithm for a Class of Separable Nonlinear Models. IEEE Transactions on Neural Networks and Learning Systems, 2021, 32, 4971-4982. | 7.2 | 34 |
| 14 | Robust Model Predictive Control Algorithm With Variable Feedback Gains for Output Tracking. IEEE Transactions on Industrial Electronics, 2021, 68, 4228-4237. | 5.2 | 9 |
| 15 | Diabetic Retinopathy Diagnosis Using Multichannel Generative Adversarial Network With Semisupervision. IEEE Transactions on Automation Science and Engineering, 2021, 18, 574-585. | 3.4 | 71 |
| 16 | Basis Function Matrix-Based Flexible Coefficient Autoregressive Models: A Framework for Time Series and Nonlinear System Modeling. IEEE Transactions on Cybernetics, 2021, 51, 614-623. | 6.2 | 28 |
| 17 | Insights Into Algorithms for Separable Nonlinear Least Squares Problems. IEEE Transactions on Image Processing, 2021, 30, 1207-1218. | 6.0 | 15 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 19 | BFGS method based variable projection approach for image restoration. IET Image Processing, 2021, 15, 2854-2865. | 1.4 | 0 |
| 20 | Accelerating variable projection algorithm by Aitken technique. , 2021, , . | | 0 |
| 21 | A novel reduced-order algorithm for rational models based on Arnoldi process and Krylov subspace. Automatica, 2021, 129, 109663. | 3.0 | 57 |
| 22 | 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 |
| 23 | Autonomous Vehicle Lateral Control Based on Fractional-order PID. , 2021, , . | | 8 |
| 24 | 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 |
| 25 | A Novel EM Identification Method for Hammerstein Systems With Missing Output Data. IEEE Transactions on Industrial Informatics, 2020, 16, 2500-2508. | 7.2 | 107 |
| 26 | 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 |
| 27 | Parameters Estimation of RBF-AR Model Based on EM and Variable Projection Algorithm. , 2020, , . | | 0 |
| 28 | The use of biochar for controlling acid mine drainage through the inhibition of chalcopyrite biodissolution. Science of the Total Environment, 2020, 737, 139485. | 3.9 | 28 |
| 29 | Catalytic effect of silver on copper release from chalcopyrite mediated by Acidithiobacillus ferrooxidans. Journal of Hazardous Materials, 2020, 392, 122290. | 6.5 | 44 |
| 30 | Term Selection for a Class of Separable Nonlinear Models. IEEE Transactions on Neural Networks and Learning Systems, 2020, 31, 445-451. | 7.2 | 63 |
| 31 | Parameter Space Reduction Based L2-norm Noise Constrained Estimation for Image Restoration. , 2020, , . | | 0 |
| 32 | Adaptive RBF-AR Models Based on Multi-Innovation Least Squares Method. IEEE Signal Processing Letters, 2019, 26, 1182-1186. | 2.1 | 31 |
| 33 | Quality control of imbalanced mass spectra from isotopic labeling experiments. BMC Bioinformatics, 2019, 20, 549. | 1.2 | 7 |
| 34 | Regularization methods for separable nonlinear models. Nonlinear Dynamics, 2019, 98, 1287-1298. | 2.7 | 2 |
| 35 | Multiple Kernel Fuzzy Clustering With Unsupervised Random Forests Kernel and Matrix-Induced Regularization. IEEE Access, 2019, 7, 3967-3979. | 2.6 | 7 |
| 36 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Generalized exponential autoregressive models for nonlinear time series: Stationarity, estimation and applications. Information Sciences, 2018, 438, 46-57. | 4.0 | 67 |
| 38 | On Some Separated Algorithms for Separable Nonlinear Least Squares Problems. IEEE Transactions on Cybernetics, 2018, 48, 2866-2874. | 6.2 | 142 |
| 39 | A Regularized Variable Projection Algorithm for Separable Nonlinear Least Squares Problems. IEEE Transactions on Automatic Control, 2018, , 1-1. | 3.6 | 25 |
| 40 | A Two-Stage Estimation Algorithm Based on Variable Projection Method for GPS Positioning. IEEE Transactions on Instrumentation and Measurement, 2018, 67, 2518-2525. | 2.4 | 32 |
| 41 | A Self-Organizing State Space Type Microstructure Model for Financial Asset Allocation. IEEE Access, 2016, 4, 8035-8043. | 2.6 | 3 |
| 42 | 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 |
| 43 | 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 |
| 44 | Catalytic effect of light illumination on bioleaching of chalcopyrite. Bioresource Technology, 2015, 182, 345-352. | 4.8 | 34 |
| 45 | A Variable Projection Approach for Efficient Estimation of RBF-ARX Model. IEEE Transactions on Cybernetics, 2015, 45, 462-471. | 6.2 | 92 |
| 46 | Predictive Deep Boltzmann Machine for Multiperiod Wind Speed Forecasting. IEEE Transactions on Sustainable Energy, 2015, 6, 1416-1425. | 5.9 | 186 |
| 47 | Fuzzy Restricted Boltzmann Machine for the Enhancement of Deep Learning. IEEE Transactions on Fuzzy Systems, 2015, 23, 2163-2173. | 6.5 | 187 |
| 48 | A Potential Method for Determining Nonlinearity in Wind Data. IEEE Power and Energy Technology Systems Journal, 2015, 2, 74-81. | 3.5 | 4 |
| 49 | An Efficient Variable Projection Formulation for Separable Nonlinear Least Squares Problems. IEEE Transactions on Cybernetics, 2014, 44, 707-711. | 6.2 | 35 |
| 50 | Seasonal and trend time series forecasting based on a quasi-linear autoregressive model. Applied Soft Computing Journal, 2014, 24, 13-18. | 4.1 | 35 |
| 51 | Testing for nonlinearity in solar radiation time series by a fast surrogate data test method. Solar Energy, 2012, 86, 2893-2896. | 2.9 | 8 |
| 52 | The effect of different state sizes on Mycielski approach for wind speed prediction. Journal of Wind Engineering and Industrial Aerodynamics, 2012, 109, 89-93. | 1.7 | 9 |
| 53 | Design a Wind Speed Prediction Model Using Probabilistic Fuzzy System. IEEE Transactions on Industrial Informatics, 2012, 8, 819-827. | 7.2 | 49 |
| 54 | 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 |

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|---|---------|-----|-----------|
| 55 | Stability analysis of RBF network-based state-dependent autoregressive model for nonlinear time series. Applied Soft Computing Journal, 2012, 12, 174-181. | 4.1 | 35 |
| 56 | A global–local optimization approach to parameter estimation of RBF-type models. Information Sciences, 2012, 197, 144-160. | 4.0 | 24 |
| 57 | Initial Distribution Search Algorithm for Self-organizing State Space Model. Zidonghua Xuebao/Acta Automatica Sinica, 2012, 38, 1538. | 0.3 | 1 |
| 58 | 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 |
| 59 | An adaptive decision maker for constrained evolutionary optimization. Applied Mathematics and Computation, 2010, 215, 4172-4184. | 1.4 | 18 |
| 60 | A locally linear RBF network-based state-dependent AR model for nonlinear time series modeling. Information Sciences, 2010, 180, 4370-4383. | 4.0 | 68 |
| 61 | A hybrid approach for parameter optimization of RBF-AR model. , 2010, , . | | 2 |
| 62 | Detection of low-frequency large-amplitude jump in financial time series. , 2007, , . | | 1 |