

# Huiwen Wang

## List of Publications by Year in descending order

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48  
papers

1,089  
citations

567281

15  
h-index

414414

32  
g-index

49  
all docs

49  
docs citations

49  
times ranked

1052  
citing authors

#	ARTICLE	IF	CITATIONS
1	An effective intrusion detection framework based on SVM with feature augmentation. Knowledge-Based Systems, 2017, 136, 130-139.	7.1	200
2	A novel approach to intrusion detection using SVM ensemble with feature augmentation. Computers and Security, 2019, 86, 53-62.	6.0	118
3	Multiple linear regression modeling for compositional data. Neurocomputing, 2013, 122, 490-500.	5.9	115
4	Uncovering the culprits of air pollution: Evidence from China's economic sectors and regional heterogeneities. Journal of Cleaner Production, 2018, 171, 1481-1493.	9.3	58
5	CIPCA: Complete-Information-based Principal Component Analysis for interval-valued data. Neurocomputing, 2012, 86, 158-169.	5.9	54
6	A hyperspherical transformation forecasting model for compositional data. European Journal of Operational Research, 2007, 179, 459-468.	5.7	49
7	Promoting inclusive water governance and forecasting the structure of water consumption based on compositional data: A case study of Beijing. Science of the Total Environment, 2018, 634, 407-416.	8.0	49
8	Spatialâ€“seasonal characteristics and critical impact factors of PM2.5 concentration in the Beijingâ€“Tianjinâ€“Hebei urban agglomeration. PLoS ONE, 2018, 13, e0201364.	2.5	41
9	Aggregating multiple types of complex data in stock market prediction: A model-independent framework. Knowledge-Based Systems, 2019, 164, 193-204.	7.1	36
10	What Contributes to Success in MOBA Games? An Empirical Study of Defense of the Ancients 2. Games and Culture, 2019, 14, 498-522.	2.8	35
11	Predicting population age structures of China, India, and Vietnam by 2030 based on compositional data. PLoS ONE, 2019, 14, e0212772.	2.5	33
12	Convolutional neural network forecasting of European Union allowances futures using a novel unconstrained transformation method. Energy Economics, 2022, 110, 106049.	12.1	29
13	Compositional data techniques for forecasting dynamic change in Chinaâ€™s energy consumption structure by 2020 and 2030. Journal of Cleaner Production, 2021, 284, 124702.	9.3	27
14	Linear regression of interval-valued data based on complete information in hypercubes. Journal of Systems Science and Systems Engineering, 2012, 21, 422-442.	1.6	22
15	Examining the influencing factors of CO <sub>2</sub> emissions at city level via panel quantile regression: evidence from 102 Chinese cities. Applied Economics, 2019, 51, 3906-3919.	2.2	22
16	Chinaâ€™s Carbon Footprint Based on Input-Output Table Series: 1992â€“2020. Sustainability, 2017, 9, 387.	3.2	17
17	Herding boosts too-connected-to-fail risk in stock market of China. Physica A: Statistical Mechanics and Its Applications, 2018, 505, 945-964.	2.6	16
18	Updating Inputâ€“Output Tables with Benchmark Table Series. Economic Systems Research, 2015, 27, 287-305.	2.7	15

#	ARTICLE	IF	CITATIONS
19	Principal component analysis for compositional data vectors. Computational Statistics, 2015, 30, 1079-1096.	1.5	15
20	The $\lambda$ -estimator for functional linear regression model. Statistics and Probability Letters, 2014, 88, 165-173.	0.7	14
21	Robust shrinkage estimation and selection for functional multiple linear model through LAD loss. Computational Statistics and Data Analysis, 2016, 103, 384-400.	1.2	13
22	Endogenous or Exogenous? Examining Trans-Boundary Air Pollution by Using the Air Quality Index (AQI): A Case Study of 30 Provinces and Autonomous Regions in China. Sustainability, 2018, 10, 4220.	3.2	13
23	A density weighted fuzzy outlier clustering approach for class imbalanced learning. Neural Computing and Applications, 2020, 32, 13035-13049.	5.6	10
24	Spatial partial least squares autoregression: Algorithm and applications. Chemometrics and Intelligent Laboratory Systems, 2019, 184, 123-131.	3.5	8
25	Tracking and forecasting milestone moments of the epidemic in the early-outbreak: framework and applications to the COVID-19. F1000Research, 2020, 9, 333.	1.6	7
26	MD-MBPLS: A novel explanatory model in computational social science. Knowledge-Based Systems, 2021, 223, 107023.	7.1	6
27	The style and innate structure of the stock markets in China. Pacific-Basin Finance Journal, 2009, 17, 224-242.	3.9	5
28	Cultural Difference on Team Performance Between Chinese and Americans in Multiplayer Online Battle Arena Games. Lecture Notes in Computer Science, 2015, , 374-383.	1.3	5
29	Interval-valued data regression using partial linear model. Journal of Statistical Computation and Simulation, 2017, , 1-20.	1.2	5
30	Functional variable selection via Gram-Schmidt orthogonalization for multiple functional linear regression. Journal of Statistical Computation and Simulation, 2018, 88, 3664-3680.	1.2	5
31	Principal component analysis for probabilistic symbolic data: a more generic and accurate algorithm. Advances in Data Analysis and Classification, 2015, 9, 59-79.	1.4	4
32	Linear mixed-effects model for multivariate longitudinal compositional data. Neurocomputing, 2019, 335, 48-58.	5.9	4
33	The Emergence of Critical Stocks in Market Crash. Frontiers in Physics, 2020, 8, .	2.1	4
34	A robust spatial autoregressive scalar-on-function regression with t-distribution. Advances in Data Analysis and Classification, 2021, 15, 57-81.	1.4	4
35	Convex clustering method for compositional data via sparse group lasso. Neurocomputing, 2021, 425, 23-36.	5.9	4
36	Academic failures and co-location social networks in campus. EPJ Data Science, 2022, 11, .	2.8	4

#	ARTICLE	IF	CITATIONS
37	Incremental modelling for compositional data streams. Communications in Statistics Part B: Simulation and Computation, 2019, 48, 2229-2243.	1.2	3
38	Improving accuracy of financial distress prediction by considering volatility: an interval-data-based discriminant model. Computational Statistics, 2020, 35, 491-514.	1.5	3
39	Linear mixed-effects model for longitudinal complex data with diversified characteristics. Journal of Management Science and Engineering, 2020, 5, 105-124.	2.8	3
40	Sliced inverse regression method for multivariate compositional data modeling. Statistical Papers, 2021, 62, 361-393.	1.2	3
41	A flexible spatial autoregressive modelling framework for mixed covariates of multiple data types. Communications in Statistics Part B: Simulation and Computation, 2019, , 1-18.	1.2	2
42	Ultra-high dimensional variable screening via Gram-Schmidt orthogonalization. Computational Statistics, 2020, 35, 1153-1170.	1.5	2
43	M-LDQ feature embedding and regression modeling for distribution-valued data. Information Sciences, 2022, 609, 121-152.	6.9	2
44	Sampling Based Histogram PCA and Its Mapreduce Parallel Implementation on Multicore. Symmetry, 2018, 10, 162.	2.2	1
45	Trading Imbalance in Chinese Stock Market—A High-Frequency View. Entropy, 2020, 22, 897.	2.2	1
46	Convex clustering method for compositional data modeling. Soft Computing, 2021, 25, 2965-2980.	3.6	1
47	A Spatial Durbin Model for Compositional Data. , 2021, , 471-488.		0
48	An efficient approach for discriminant analysis based on adaptive feature augmentation. Journal of Statistical Computation and Simulation, 2022, 92, 3414-3429.	1.2	0