# Yi Peng

## List of Publications by Year
in descending order

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|---|---|---|---|
| 89 papers | 6,308 citations | 87723<br>38 h-index | 71532<br>76 g-index |
| 93 all docs | 93 docs citations | 93 times ranked | 3743 citing authors |

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | Evaluation of clustering algorithms for financial risk analysis using MCDM methods. Information Sciences, 2014, 275, 1-12. | 4.0 | 652 |
| 2 | EVALUATION OF CLASSIFICATION ALGORITHMS USING MCDM AND RANK CORRELATION. International Journal of Information Technology and Decision Making, 2012, 11, 197-225. | 2.3 | 496 |
| 3 | Soft consensus cost models for group decision making and economic interpretations. European Journal of Operational Research, 2019, 277, 964-980. | 3.5 | 295 |
| 4 | A DESCRIPTIVE FRAMEWORK FOR THE FIELD OF DATA MINING AND KNOWLEDGE DISCOVERY. International Journal of Information Technology and Decision Making, 2008, 07, 639-682. | 2.3 | 288 |
| 5 | Evaluation of feature selection methods for text classification with small datasets using multiple criteria decision-making methods. Applied Soft Computing Journal, 2020, 86, 105836. | 4.1 | 246 |
| 6 | A Group Decision Making Model for Integrating Heterogeneous Information. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 982-992. | 5.9 | 239 |
| 7 | The analytic hierarchy process: task scheduling and resource allocation in cloud computing environment. Journal of Supercomputing, 2013, 64, 835-848. | 2.4 | 221 |
| 8 | Bankruptcy prediction for SMEs using transactional data and two-stage multiobjective feature selection. Decision Support Systems, 2021, 140, 113429. | 3.5 | 212 |
| 9 | A simple method to improve the consistency ratio of the pair-wise comparison matrix in ANP. European Journal of Operational Research, 2011, 213, 246-259. | 3.5 | 205 |
| 10 | Large-scale group decision-making with non-cooperative behaviors and heterogeneous preferences: An application in financial inclusion. European Journal of Operational Research, 2021, 288, 271-293. | 3.5 | 202 |
| 11 | MACHINE LEARNING METHODS FOR SYSTEMIC RISK ANALYSIS IN FINANCIAL SECTORS. Technological and Economic Development of Economy, 2019, 25, 716-742. | 2.3 | 202 |
| 12 | FAMCDM: A fusion approach of MCDM methods to rank multiclass classification algorithms. Omega, 2011, 39, 677-689. | 3.6 | 185 |
| 13 | An empirical study of classification algorithm evaluation for financial risk prediction. Applied Soft Computing Journal, 2011, 11, 2906-2915. | 4.1 | 159 |
| 14 | ENSEMBLE OF SOFTWARE DEFECT PREDICTORS: AN AHP-BASED EVALUATION METHOD. International Journal of Information Technology and Decision Making, 2011, 10, 187-206. | 2.3 | 153 |
| 15 | Distributed linguistic representations in decision making: Taxonomy, key elements and applications, and challenges in data science and explainable artificial intelligence. Information Fusion, 2021, 65, 165-178. | 11.7 | 138 |
| 16 | An incident information management framework based on data integration, data mining, and multi-criteria decision making. Decision Support Systems, 2011, 51, 316-327. | 3.5 | 134 |
| 17 | An Integrated Cluster Detection, Optimization, and Interpretation Approach for Financial Data. IEEE Transactions on Cybernetics, 2022, 52, 13848-13861. | 6.2 | 114 |
| 18 | Heterogeneous Large-Scale Group Decision Making Using Fuzzy Cluster Analysis and Its Application to Emergency Response Plan Selection. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3391-3403. | 5.9 | 102 |

| # | ARTICLE | IF | CITATIONS |
|---|---------|----|-----------|
| 19 | Improving malicious URLs detection via feature engineering: Linear and nonlinear space transformation methods. Information Systems, 2020, 91, 101494. | 2.4 | 100 |
| 20 | A Multi-criteria Convex Quadratic Programming model for credit data analysis. Decision Support Systems, 2008, 44, 1016-1030. | 3.5 | 97 |
| 21 | Consensus reaching process in large-scale group decision making based on bounded confidence and social network. European Journal of Operational Research, 2022, 303, 790-802. | 3.5 | 97 |
| 22 | Post-seismic supply chain risk management: A system dynamics disruption analysis approach for inventory and logistics planning. Computers and Operations Research, 2014, 42, 14-24. | 2.4 | 95 |
| 23 | Multiple criteria linear programming approach to data mining: Models, algorithm designs and software development. Optimization Methods and Software, 2003, 18, 453-473. | 1.6 | 84 |
| 24 | Classifying With Adaptive Hyper-Spheres: An Incremental Classifier Based on Competitive Learning. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2020, 50, 1218-1229. | 5.9 | 83 |
| 25 | Time-dependent vehicle routing problem with time windows of city logistics with a congestion avoidance approach. Knowledge-Based Systems, 2020, 188, 104813. | 4.0 | 79 |
| 26 | Multiple criteria mathematical programming for multi-class classification and application in network intrusion detection. Information Sciences, 2009, 179, 371-381. | 4.0 | 78 |
| 27 | Estimating priorities from relative deviations in pairwise comparison matrices. Information Sciences, 2021, 552, 310-327. | 4.0 | 78 |
| 28 | A Fuzzy PROMETHEE Approach for Mining Customer Reviews in Chinese. Arabian Journal for Science and Engineering, 2014, 39, 5245-5252. | 1.1 | 74 |
| 29 | User preferences based software defect detection algorithms selection using MCDM. Information Sciences, 2012, 191, 3-13. | 4.0 | 68 |
| 30 | Multi-class misclassification cost matrix for credit ratings in peer-to-peer lending. Journal of the Operational Research Society, 2021, 72, 923-934. | 2.1 | 67 |
| 31 | Nonlinear manifold learning for early warnings in financial markets. European Journal of Operational Research, 2017, 258, 692-702. | 3.5 | 66 |
| 32 | Aggregation of the nearest consistency matrices with the acceptable consensus in AHP-GDM. Annals of Operations Research, 2022, 316, 179-195. | 2.6 | 64 |
| 33 | Discovering Credit Cardholders' Behavior by Multiple Criteria Linear Programming. Annals of Operations Research, 2005, 135, 261-274. | 2.6 | 62 |
| 34 | IMPROVED AHP-GROUP DECISION MAKING FOR INVESTMENT STRATEGY SELECTION. Technological and Economic Development of Economy, 2012, 18, 299-316. | 2.3 | 59 |
| 35 | Jie Ke versus AlphaGo: A ranking approach using decision making method for large-scale data with incomplete information. European Journal of Operational Research, 2018, 265, 239-247. | 3.5 | 59 |
| 36 | An efficient consensus reaching framework for large-scale social network group decision making and its application in urban resettlement. Information Sciences, 2021, 575, 499-527. | 4.0 | 58 |

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|---|---------|-----|-----------|
| 37 | Regional earthquake vulnerability assessment using a combination of MCDM methods. Annals of Operations Research, 2015, 234, 95-110. | 2.6 | 55 |
| 38 | A MCDM-Based Evaluation Approach for Imbalanced Classification Methods in Financial Risk Prediction. IEEE Access, 2019, 7, 84897-84906. | 2.6 | 47 |
| 39 | Estimating the missing values for the incomplete decision matrix and consistency optimization in emergency management. Applied Mathematical Modelling, 2016, 40, 254-267. | 2.2 | 34 |
| 40 | Sequential imperfect preventive maintenance model with failure intensity reduction with an application to urban buses. Reliability Engineering and System Safety, 2020, 198, 106871. | 5.1 | 34 |
| 41 | MCDM APPROACH TO EVALUATING BANK LOAN DEFAULT MODELS. Technological and Economic Development of Economy, 2014, 20, 292-311. | 2.3 | 33 |
| 42 | DYNAMIC FUZZY MULTIPLE CRITERIA DECISION MAKING FOR PERFORMANCE EVALUATION. Technological and Economic Development of Economy, 2015, 21, 705-719. | 2.3 | 32 |
| 43 | Extension of grey relational analysis for facilitating group consensus to oil spill emergency management. Annals of Operations Research, 2016, 238, 615-635. | 2.6 | 31 |
| 44 | How to determine the consensus threshold in group decision making: a method based on efficiency benchmark using benefit and cost insight. Annals of Operations Research, 2022, 316, 143-177. | 2.6 | 31 |
| 45 | Fairness concern: An equilibrium mechanism for consensus-reaching game in group decision-making. Information Fusion, 2021, 72, 147-160. | 11.7 | 31 |
| 46 | Location-Routing Problem for Relief Distribution in the Early Post-Earthquake Stage from the Perspective of Fairness. Sustainability, 2019, 11, 3420. | 1.6 | 27 |
| 47 | A Multicriteria Decision Making Approach for Estimating the Number of Clusters in a Data Set. PLoS ONE, 2012, 7, e41713. | 1.1 | 24 |
| 48 | Application of Clustering Methods to Health Insurance Fraud Detection. , 2006, , . | | 20 |
| 49 | A consensus facilitation model based on experts' weights for investment strategy selection. Journal of the Operational Research Society, 2018, 69, 1435-1444. | 2.1 | 20 |
| 50 | Effect of marketing messages and consumer engagement on economic performance: evidence from Weibo. Internet Research, 2020, 30, 1565-1581. | 2.7 | 19 |
| 51 | An Iterative Algorithm to Derive Priority From Large-Scale Sparse Pairwise Comparison Matrix. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2022, 52, 3038-3051. | 5.9 | 18 |
| 52 | A group decision making approach for supplier selection with multi-period fuzzy information and opinion interaction among decision makers. Journal of the Operational Research Society, 2022, 73, 855-868. | 2.1 | 18 |
| 53 | A two-stage ranking method to minimize ordinal violation for pairwise comparisons. Applied Soft Computing Journal, 2021, 106, 107287. | 4.1 | 17 |
| 54 | Group decision-making using improved multi-criteria decision making methods for credit risk analysis. Filomat, 2016, 30, 4135-4150. | 0.2 | 16 |

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|---|---------|----|-----------| 
| 55 | A cost-sensitive multi-criteria quadratic programming model for imbalanced data. Journal of the Operational Research Society, 2018, 69, 500-516. | 2.1 | 15 |
| 56 | Editorial: Multiple criteria decision making and operations research. Annals of Operations Research, 2012, 197, 1-4. | 2.6 | 14 |
| 57 | A framework for SaaS software packages evaluation and selection with virtual team and BOCR of analytic network process. Journal of Supercomputing, 2014, 67, 219-238. | 2.4 | 13 |
| 58 | Multiple criteria decision making in emergency management. Computers and Operations Research, 2014, 42, 1-2. | 2.4 | 12 |
| 59 | Predicting Credit Card Holder Churn in Banks of China Using Data Mining and MCDM. , 2010, , . |  | 11 |
| 60 | Large-scale peer-to-peer loan consensus based on minimum cost consensus. Journal of the Operational Research Society, 2022, 73, 2326-2337. | 2.1 | 11 |
| 61 | NETWORK RESILIENCE IN THE FINANCIAL SECTORS: ADVANCES, KEY ELEMENTS, APPLICATIONS, AND CHALLENGES FOR FINANCIAL STABILITY REGULATION. Technological and Economic Development of Economy, 2022, 28, 531-558. | 2.3 | 11 |
| 62 | A CROSS-PLATFORM MARKET STRUCTURE ANALYSIS METHOD USING ONLINE PRODUCT REVIEWS. Technological and Economic Development of Economy, 2021, 27, 992-1018. | 2.3 | 9 |
| 63 | Deep learning based dual encoder retrieval model for citation recommendation. Technological Forecasting and Social Change, 2022, 177, 121545. | 6.2 | 9 |
| 64 | An efficiency curve for evaluating imbalanced classifiers considering intrinsic data characteristics: Experimental analysis. Information Sciences, 2022, 608, 1131-1156. | 4.0 | 9 |
| 65 | Time series analysis for C2C conversion rate. Electronic Commerce Research, 2018, 18, 763-789. | 3.0 | 7 |
| 66 | A fast diagonal distance metric learning approach for large-scale datasets. Information Sciences, 2021, 571, 225-245. | 4.0 | 7 |
| 67 | BIMM: A Bias Induced Matrix Model for Incomplete Reciprocal Pairwise Comparison Matrix. Journal of Multi-Criteria Decision Analysis, 2011, 18, 101-113. | 1.0 | 6 |
| 68 | Knowledge-Rich Data Mining in Financial Risk Detection. Lecture Notes in Computer Science, 2009, , 534-542. | 1.0 | 6 |
| 69 | A New Consistency Index for Comparison Matrices in the ANP. Lecture Notes in Economics and Mathematical Systems, 2011, , 47-56. | 0.3 | 6 |
| 70 | TWO-STAGE PRIORITIZATION PROCEDURE FOR MULTIPLICATIVE AHP-GROUP DECISION MAKING. Technological and Economic Development of Economy, 2020, 26, 525-545. | 2.3 | 6 |
| 71 | Comparison study of two kernel-based learning algorithms for predicting the distance range between antibody interface residues and antigen surface. International Journal of Computer Mathematics, 2007, 84, 697-707. | 1.0 | 5 |
| 72 | FMCDM: A fuzzy multi-criteria decision-making hybrid approach to evaluate the damage level of typhoon: Integration of fuzzy AHP and fuzzy TOPSIS. , 2010, , . |  | 5 |

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|---|---------|----|-----------| 
| 73 | Network Intrusion Detection by Multi-group Mathematical Programming based Classifier. , 2006, , . | | 3 |
| 74 | A Dynamic Assessment Method for Urban Eco‑environmental Quality Evaluation. Journal of Multi-Criteria Decision Analysis, 2011, 18, 23-38. | 1.0 | 3 |
| 75 | Credit Risk Evaluation by Improved MCDM Models. , 2012, , . | | 3 |
| 76 | Study on Multi-agent Based Simulation of Team Machine Learning. Procedia Computer Science, 2016, 91, 847-854. | 1.2 | 3 |
| 77 | Cost-sensitive classifiers in credit rating: A comparative study on P2P lending. , 2018, , . | | 3 |
| 78 | A Hybrid Strategy for Clustering Data Mining Documents. , 2006, , . | | 2 |
| 79 | A Cost-sensitive Multi-criteria Quadratic Programming Model. Procedia Computer Science, 2015, 55, 1302-1307. | 1.2 | 2 |
| 80 | A Domain Knowledge-Driven Framework for Multi-Criteria Optimization-Based Data Mining Methods. , 2008, , . | | 1 |
| 81 | A Comparative Study of Classification Methods in Financial Risk Detection. , 2008, , . | | 1 |
| 82 | A New Hierarchical Document Clustering Method. , 2009, , . | | 1 |
| 83 | A New Consistency Test Index for the Data in the AHP/ANP. Quantitative Management, 2013, , 11-27. | 0.5 | 1 |
| 84 | An optimization model integrating different preference formats. , 2016, , . | | 1 |
| 85 | A preference aggregation model and application in AHP-group decision making. AIP Conference Proceedings, 2018, , . | 0.3 | 1 |
| 86 | DYNAMIC THRESHOLDS OF GEOMETRIC CONSISTENCY INDEX ASSOCIATED WITH PAIRWISE COMPARISON MATRIX. Technological and Economic Development of Economy, 2022, 28, 1137-1157. | 2.3 | 1 |
| 87 | A Standard Process for Data Mining Based Software Debugging. , 2008, , . | | 0 |
| 88 | A dynamic self-adoptive genetic algorithm for personal credit risk assessment. , 2010, , . | | 0 |
| 89 | Bankruptcy Forecasting for Small and Medium-Sized Enterprises Using Cash Flow Data. Communications in Computer and Information Science, 2020, , 477-487. | 0.4 | 0 |