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Heuristics for cardinality constrained portfolio optimisation

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| # | Paper | IF | Citations |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 584 | The Threshold Accepting Heuristic for Index Tracking. <i>SSRN Electronic Journal</i> , 2001 , | 1 | 6 |
| 583 | New tests with a multipurpose parallel genetic hybrid algorithm. 2001 , 30, 193-203 | | 1 |
| 582 | Genetic Programming. <i>Lecture Notes in Computer Science</i> , 2002 , | 0.9 | 4 |
| 581 | Meta-heuristic based decision support for portfolio optimization with a case study on tracking error minimization in passive portfolio management. 2003 , 25, 345-378 | | 34 |
| 580 | Simulated annealing for complex portfolio selection problems. <i>European Journal of Operational Research</i> , 2003 , 150, 546-571 | 5.6 | 198 |
| 579 | A review of portfolio planning: Models and systems. 2003 , 1-39 | | 16 |
| 578 | Using genetic algorithms to construct portfolios. 2003 , 135-160 | | 3 |
| 577 | Finding Constrained Downside Risk-Return Efficient Credit Portfolio Structures Using Hybrid Multi-Objective Evolutionary Computation. 2003 , 231-265 | | 1 |
| 576 | Evaluating a hybrid encoding and three crossover operators on the constrained portfolio selection problem. | | 28 |
| 575 | Handbook of Computational and Numerical Methods in Finance. 2004 , | | 2 |
| 574 | On a Local-Search Heuristic for a Class of Tracking Error Minimization Problems in Portfolio Management. 2004 , 131, 45-77 | | 26 |
| 573 | An MCDM approach to portfolio optimization. <i>European Journal of Operational Research</i> , 2004 , 155, 752-760 | | 210 |
| 572 | A population heuristic for constrained two-dimensional non-guillotine cutting. <i>European Journal of Operational Research</i> , 2004 , 156, 601-627 | 5.6 | 71 |
| 571 | Cardinality constrained minimum cut problems: complexity and algorithms. 2004 , 137, 311-341 | | 16 |
| 570 | A hybrid heuristic approach to discrete multi-objective optimization of credit portfolios. 2004 , 47, 373-399 | | 28 |
| 569 | Cardinality Constrained Portfolio Optimisation. <i>Lecture Notes in Computer Science</i> , 2004 , 788-793 | 0.9 | 33 |
| 568 | Comparing Discrete and Continuous Genotypes on the Constrained Portfolio Selection Problem. <i>Lecture Notes in Computer Science</i> , 2004 , 1239-1250 | 0.9 | 21 |

| | | |
|-----|-----------------------------------------------------------------------------------------------------------------------------|-----|
| 567 | Dynamic portfolio management under competing representations. 2005 , 34, 1517-1550 | 12 |
| 566 | THE HIDDEN RISKS OF OPTIMIZING BOND PORTFOLIOS UNDER VAR. 2005 , 38, 6-11 | 1 |
| 565 | A genetic algorithm encoding for a class of cardinality constraints. 2005 , | 9 |
| 564 | Multiobjective financial portfolio design: a hybrid evolutionary approach. | 23 |
| 563 | Credibility programming approach to fuzzy portfolio selection problems. 2005 , | 2 |
| 562 | A multiobjective approach to the portfolio optimization problem. | 24 |
| 561 | Optimal trade execution: an evolutionary approach. | 4 |
| 560 | An exact approach for portfolio selection with transaction costs and rounds. 2005 , 37, 919-929 | 43 |
| 559 | A multi-objective evolutionary approach to the portfolio optimization problem. | 7 |
| 558 | Selection of Optimal Investment Portfolios with Cardinality Constraints. | 29 |
| 557 | Particle Swarm Optimization for Constrained Portfolio Selection Problems. 2006 , | 16 |
| 556 | Hybrid search for cardinality constrained portfolio optimization. 2006 , | 10 |
| 555 | The Effect of Local Search on the Constrained Portfolio Selection Problem. | 15 |
| 554 | A Data-Driven Optimization Heuristic for Downside Risk Minimization. <i>SSRN Electronic Journal</i> , 2006 , | 1 2 |
| 553 | Optimisation of FTSE 100 tracker funds. 2006 , 32, 477-492 | 5 |
| 552 | OPTIMAL LOT SOLUTION TO CARDINALITY CONSTRAINED MEAN-VARIANCE FORMULATION FOR PORTFOLIO SELECTION. 2006 , 16, 83-101 | 95 |
| 551 | Fuzzy compromise programming for portfolio selection. 2006 , 173, 251-264 | 96 |
| 550 | Solving minimum K-cardinality cut problems in planar graphs. 2006 , 48, 195-208 | 1 |

| | | | |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| 549 | Portfolio Selection Under Buy-In Threshold Constraints Using DC Programming and DCA. 2006, | | 4 |
| 548 | Index Fund Optimization Using GA Based on Coefficients of Determination. | | |
| 547 | A Cluster-Based and Routing Balanced P2P Lookup Protocol. 2007, | | 1 |
| 546 | EVOLVING THE UPDATE STRATEGY OF THE PARTICLE SWARM OPTIMISATION ALGORITHMS. 2007, 16, 87-109 | | 2 |
| 545 | Quadratic programming for portfolio planning: Insights into algorithmic and computational issues. 2007, 8, 200-214 | | 3 |
| 544 | Applications of multi-objective evolutionary algorithms in economics and finance: A survey. 2007, | | 22 |
| 543 | Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems. <i>Lecture Notes in Computer Science, 2007,</i> | 0.9 | 4 |
| 542 | Index fund optimization using a genetic algorithm and a heuristic local search algorithm on scatter diagrams. 2007, | | 2 |
| 541 | A realistic approach to evolutionary multiobjective portfolio optimization. 2007, | | 8 |
| 540 | Use of heuristic rules in evolutionary methods for the selection of optimal investment portfolios. 2007, | | 6 |
| 539 | A Review of Two Industrial Deployments of Multi-criteria Decision-making Systems at General Electric. 2007, | | 8 |
| 538 | Improved particle swarm optimization and application to portfolio selection. 2007, 90, 13-25 | | 3 |
| 537 | A class of possibilistic portfolio selection model with interval coefficients and its application. 2007, 6, 123-137 | | 34 |
| 536 | Suitable-portfolio investors, nondominated frontier sensitivity, and the effect of multiple objectives on standard portfolio selection. 2007, 152, 297-317 | | 115 |
| 535 | On the existence of solutions to the quadratic mixed-integer mean-variance portfolio selection problem. <i>European Journal of Operational Research, 2007, 176, 1947-1960</i> | 5.6 | 40 |
| 534 | Portfolio selection using neural networks. <i>Computers and Operations Research, 2007, 34, 1177-1191</i> | 4.6 | 176 |
| 533 | A genetic algorithm encoding for cardinality constraints and automatic variable linking in structural optimization. 2008, 30, 3708-3723 | | 25 |
| 532 | Evolutionary multi-objective portfolio optimization in practical context. 2008, 5, 67-80 | | 54 |

| | | | |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 531 | A resource portfolio planning model using sampling-based stochastic programming and genetic algorithm. <i>European Journal of Operational Research</i> , 2008 , 184, 327-340 | 5.6 | 31 |
| 530 | R&D project portfolio selection model analysis within project interdependencies context. 2008 , | | 14 |
| 529 | A comparison of MAD and CVaR models with real features. 2008 , 32, 1188-1197 | | 44 |
| 528 | . 2008 , | | 0 |
| 527 | Genetic Algorithm with an Application to Complex Portfolio Selection. 2008 , | | 1 |
| 526 | Study of Security Investment Optimizing Combination Based on PSACO. 2008 , | | 1 |
| 525 | A Lifted Linear Programming Branch-and-Bound Algorithm for Mixed-Integer Conic Quadratic Programs. <i>INFORMS Journal on Computing</i> , 2008 , 20, 438-450 | 2.4 | 79 |
| 524 | Study on the efficient frontier in portfolio selection by using particle swarm optimization. 2008 , | | |
| 523 | Index Fund Optimization Using a Genetic Algorithm and a Heuristic Local Search. 2008 , 128, 407-415 | | 4 |
| 522 | Long-Short Portfolio Optimisation in the Presence of Discrete Asset Choice Constraints and Two Risk Measures. <i>SSRN Electronic Journal</i> , 2008 , | 1 | 1 |
| 521 | PSO-based possibilistic mean-variance model with transaction costs. 2009 , | | |
| 520 | An exact algorithm for factor model in portfolio selection with roundlot constraints. 2009 , 58, 305-318 | | 1 |
| 519 | A portfolio model with quadratic subsection concave transaction costs based on PSO. 2009 , | | 1 |
| 518 | Multi-agent model for threshold constrained portfolio selection. 2009 , | | |
| 517 | A Multi-Objective Portfolio Selection Formulation of Corporate Social Responsibility and Optimization Algorithms. 2009 , | | 1 |
| 516 | Intelligent and Evolutionary Systems. <i>Studies in Computational Intelligence</i> , 2009 , | 0.8 | 4 |
| 515 | Multiobjective Programming and Multiattribute Utility Functions in Portfolio Optimization. 2009 , 47, 31-42 | | 14 |
| 514 | Research on Optimizing Security Investment Combination Based on PSO. 2009 , | | 0 |

| | | | |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| 513 | Evolutionary Optimization for Multiobjective Portfolio Selection under Markowitz Model with Application to the Caracas Stock Exchange. <i>Studies in Computational Intelligence</i> , 2009 , 489-509 | 0.8 | 5 |
| 512 | Evolutionary Optimization of Constrained μ -Means Clustered Assets for Diversification in Small Portfolios. 2009 , 13, 1030-1053 | | 46 |
| 511 | Portfolio management using value at risk: A comparison between genetic algorithms and particle swarm optimization. 2009 , 24, 766-792 | | 18 |
| 510 | Portfolio selection under downside risk measures and cardinality constraints based on DC programming and DCA. 2009 , 6, 459-475 | | 19 |
| 509 | Algorithm for cardinality-constrained quadratic optimization. 2009 , 43, 1-22 | | 141 |
| 508 | Common stock portfolio selection: a multiple criteria decision making methodology and an application to the Athens Stock Exchange. 2009 , 9, 55-79 | | 23 |
| 507 | A fuzzy interactive approach for optimal portfolio management. 2009 , 46, 69-88 | | 4 |
| 506 | Particle swarm optimization approach to portfolio optimization. 2009 , 10, 2396-2406 | | 150 |
| 505 | Portfolio optimization with an envelope-based multi-objective evolutionary algorithm. <i>European Journal of Operational Research</i> , 2009 , 199, 684-693 | 5.6 | 106 |
| 504 | Markowitz-based portfolio selection with minimum transaction lots, cardinality constraints and regarding sector capitalization using genetic algorithm. 2009 , 36, 5058-5063 | | 136 |
| 503 | Agent Based Model for Cardinality Constrained Portfolio Selection Problem: Preliminary Results. 2009 , | | |
| 502 | . 2009 , | | 3 |
| 501 | Multiobjective Programming and Goal Programming. 2009 , | | 12 |
| 500 | . 2009 , | | 1 |
| 499 | Dynamically Weighted Continuous Ant Colony Optimization for Bi-Objective Portfolio Selection Using Value-at-Risk. 2009 , | | 2 |
| 498 | AN AUTOMATED MULTI-OBJECTIVE INVIGILATOR-EXAM ASSIGNMENT SYSTEM. 2010 , 09, 223-238 | | 5 |
| 497 | A reactive greedy randomized adaptive search procedure for a mixed integer portfolio optimization problem. 2010 , 36, 1057-1065 | | 5 |
| 496 | Pareto-archived evolutionary wavelet network for financial constrained portfolio optimization. 2010 , 17, 59-90 | | 4 |

| | | | |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| 495 | Optimal portfolio selection for the small investor considering risk and transaction costs. 2010 , 32, 61-76 | | 22 |
| 494 | The admissible portfolio selection problem with transaction costs and an improved PSO algorithm. 2010 , 389, 2070-2076 | | 29 |
| 493 | A multiobjective metaheuristic for a mean-risk static stochastic knapsack problem. 2010 , 46, 427-450 | | 5 |
| 492 | A multiobjective metaheuristic for a mean-risk multistage capacity investment problem. 2010 , 16, 85-115 | | 14 |
| 491 | Hybrid Approaches and Dimensionality Reduction for Portfolio Selection with Cardinality Constraints. 2010 , 5, 92-107 | | 57 |
| 490 | Index fund optimization using a genetic algorithm and a heuristic local search. 2010 , 93, 42-52 | | 4 |
| 489 | Exam scheduling: Mathematical modeling and parameter estimation with the Analytic Network Process approach. 2010 , 52, 930-941 | | 19 |
| 488 | A portfolio optimization model with three objectives and discrete variables. <i>Computers and Operations Research</i> , 2010 , 37, 1285-1297 | 4.6 | 140 |
| 487 | Large-scale MV efficient frontier computation via a procedure of parametric quadratic programming. <i>European Journal of Operational Research</i> , 2010 , 204, 581-588 | 5.6 | 32 |
| 486 | Robust investment strategies with discrete asset choice constraints using DC programming. 2010 , 59, 45-62 | | 21 |
| 485 | Constrained portfolio selection using multiple swarms. 2010 , | | 1 |
| 484 | Index fund rebalancing using probabilistic model-building genetic algorithm with narrower width histograms. 2010 , | | 5 |
| 483 | An Estimation of Distribution Algorithm Based Portfolio Selection Approach. 2010 , | | 4 |
| 482 | Portfolio evaluation using OWA-heuristic algorithm and data envelopment analysis. 2010 , 11, 75-88 | | 12 |
| 481 | Heuristic portfolio optimisation for a hedge fund strategy using the Geometric Nelder-Mead Algorithm. 2010 , | | 0 |
| 480 | Hybrid metaheuristics for constrained portfolio selection problems. 2011 , 11, 1473-1487 | | 39 |
| 479 | Bi-objective Portfolio Optimization Using a Customized Hybrid NSGA-II Procedure. <i>Lecture Notes in Computer Science</i> , 2011 , 358-373 | 0.9 | 17 |
| 478 | Nonlinear and Complex Dynamics. 2011 , | | 4 |

| | | | |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| 477 | Eigenvector selection in spectral clustering using Tabu Search. 2011 , | | 2 |
| 476 | Heuristic algorithms for the cardinality constrained efficient frontier. <i>European Journal of Operational Research</i> , 2011 , 213, 538-550 | 5.6 | 119 |
| 475 | A Local Relaxation Method for Cardinality Constrained Portfolio Optimization Problem. <i>SSRN Electronic Journal</i> , 2011 , | 1 | |
| 474 | Portfolio Optimization with Trade Paring Constraints. <i>SSRN Electronic Journal</i> , 2011 , | 1 | |
| 473 | Constrained mean-risk portfolio optimisation: an application of multiobjective simulated annealing. 2011 , 2, 50 | | |
| 472 | A Stochastic-Goal Mixed-Integer Programming approach for integrated stock and bond portfolio optimization. <i>Computers and Industrial Engineering</i> , 2011 , 61, 1285-1295 | 6.4 | 13 |
| 471 | Multiobjective optimization using differential evolution for real-world portfolio optimization. 2011 , 8, 157-179 | | 65 |
| 470 | Multiobjective evolutionary algorithms for complex portfolio optimization problems. 2011 , 8, 259-279 | | 34 |
| 469 | A robust mean absolute deviation model for portfolio optimization. <i>Computers and Operations Research</i> , 2011 , 38, 1251-1258 | 4.6 | 42 |
| 468 | Constrained Portfolio Selection using Particle Swarm Optimization. 2011 , 38, 8327-8335 | | 77 |
| 467 | Applying a GA kernel on optimizing technical analysis rules for stock picking and portfolio composition. 2011 , | | 14 |
| 466 | The mean-variance cardinality constrained portfolio optimization problem: An experimental evaluation of five multiobjective evolutionary algorithms. 2011 , 38, 14208-14208 | | 98 |
| 465 | Particle Swarm Optimization (PSO) for the constrained portfolio optimization problem. 2011 , 38, 10161-10169 | | 146 |
| 464 | A linguistic-based portfolio selection model using weighted max-min operator and hybrid genetic algorithm. 2011 , 38, 11735-11743 | | 17 |
| 463 | Mean-variance portfolio rebalancing with transaction costs and funding changes. 2011 , 62, 667-676 | | 20 |
| 462 | Metaheuristic optimization of Risk Budgeted global asset allocation portfolios. 2011 , | | |
| 461 | Optimal hedge fund portfolios under liquidation risk. 2011 , 11, 53-67 | | 1 |
| 460 | Equality constrained long-short portfolio replication by using probabilistic model-building GA. 2012 , | | 7 |

| | | | |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| 459 | Dynamic objectives aggregation methods for evolutionary portfolio optimisation. A computational study. 2012 , 4, 258 | | 2 |
| 458 | . 2012 , | | 10 |
| 457 | Comparative results of heuristics for portfolio selection problem. 2012 , | | 1 |
| 456 | A local relaxation method for the cardinality constrained portfolio optimization problem. 2012 , 53, 681-709 | | 29 |
| 455 | A Stochastic Mixed-Integer Programming approach to the energy-technology management problem. <i>Computers and Industrial Engineering</i> , 2012 , 63, 594-606 | 6.4 | 12 |
| 454 | Generating effective defined-contribution pension plan using simulation optimization approach. 2012 , 39, 2684-2689 | | 3 |
| 453 | Differential evolution based optimization of risk budgeted Equity Market Neutral Portfolios. 2012 , | | 1 |
| 452 | Portfolio Optimization with Cardinality Constraints Based on Hybrid Differential Evolution. 2012 , 1, 311-317 | | 8 |
| 451 | Cooperative Search Using Agents for Cardinality Constrained Portfolio Selection Problem. 2012 , 42, 1510-1518 | | 11 |
| 450 | An integrated approach for stock evaluation and portfolio optimization. 2012 , 61, 423-441 | | 7 |
| 449 | Multiobjective Evolutionary Algorithms for Portfolio Management: A comprehensive literature review. 2012 , 39, 11685-11698 | | 122 |
| 448 | Solving continuous min max problem for single period portfolio selection with discrete constraints by DCA. 2012 , 61, 1025-1038 | | 4 |
| 447 | Bacterial foraging based approaches to portfolio optimization with liquidity risk. 2012 , 98, 90-100 | | 42 |
| 446 | Portfolio Management Using Artificial Trading Systems Based on Technical Analysis. 2012 , | | 1 |
| 445 | Exact and Heuristic Approaches for the Index Tracking Problem with UCITS Constraints. <i>SSRN Electronic Journal</i> , 2012 , | | 1 |
| 444 | INTEGRATED METAHEURISTIC OPTIMIZATION OF LONGSHORT INVESTMENT-STRATEGY-BASED PORTFOLIOS. 2012 , 19, 43-74 | | 1 |
| 443 | Wavelet evolutionary network for complex-constrained portfolio rebalancing. 2012 , 43, 1367-1385 | | 9 |
| 442 | A multi-objective genetic algorithm for cardinality constrained fuzzy portfolio selection. 2012 , 188, 16-26 | | 62 |

| | | | |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| 441 | Combined forecasts in portfolio optimization: A generalized approach. <i>Computers and Operations Research</i> , 2012 , 39, 805-819 | 4.6 | 28 |
| 440 | Markowitz-based portfolio selection with cardinality constraints using improved particle swarm optimization. 2012 , 39, 4558-4566 | | 76 |
| 439 | Kernel Search: a new heuristic framework for portfolio selection. 2012 , 51, 345-361 | | 39 |
| 438 | Robust portfolio optimization with a hybrid heuristic algorithm. 2012 , 9, 63-88 | | 15 |
| 437 | A new method for mean-variance portfolio optimization with cardinality constraints. 2013 , 205, 213-234 | | 67 |
| 436 | A stochastic programming approach to multicriteria portfolio optimization. 2013 , 57, 299-314 | | 11 |
| 435 | A polynomial case of the cardinality-constrained quadratic optimization problem. 2013 , 56, 1441-1455 | | 19 |
| 434 | A Possibilistic Mean-Downside Risk-Skewness Model for Efficient Portfolio Selection. 2013 , 21, 585-595 | | 40 |
| 433 | Recent Advances in Mathematical Programming with Semi-continuous Variables and Cardinality Constraint. 2013 , 1, 55-77 | | 39 |
| 432 | Bacterial Foraging Optimization Approach to Portfolio Optimization. 2013 , 42, 453-470 | | 7 |
| 431 | Portfolio optimization using improved artificial bee colony approach. 2013 , | | 6 |
| 430 | Simultaneous resource portfolio planning under demand and technology uncertainty in the semiconductor testing industry. 2013 , 29, 278-287 | | 9 |
| 429 | Large-scale portfolio optimization using multiobjective dynamic multi-swarm particle swarm optimizer. 2013 , | | 9 |
| 428 | An EA for portfolio selection over multiple investment periods with exponential transaction costs. 2013 , | | |
| 427 | Multi-objective portfolio selection model with fuzzy random returns and a compromise approach-based genetic algorithm. 2013 , 220, 507-521 | | 71 |
| 426 | Mixed-integer second-order cone programming for lower hedging of American contingent claims in incomplete markets. 2013 , 7, 63-78 | | 7 |
| 425 | A Survey on Multiobjective Evolutionary Algorithms for the Solution of the Portfolio Optimization Problem and Other Finance and Economics Applications. 2013 , 17, 321-344 | | 181 |
| 424 | Nature-Inspired Intelligence for Pareto Optimality Analysis in Portfolio Optimization. 2013 , 335-345 | | |

| | | | |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 423 | Portfolio rebalancing with an investment horizon and transaction costs. <i>Omega</i> , 2013 , 41, 406-420 | 7.2 | 83 |
| 422 | Optimal Cardinality Constrained Portfolio Selection. 2013 , 61, 745-761 | | 68 |
| 421 | Simultaneous pursuit of out-of-sample performance and sparsity in index tracking portfolios. 2013 , 10, 21-49 | | 36 |
| 420 | A cardinality constrained stochastic goal programming model with satisfaction functions for venture capital investment decision making. 2013 , 205, 77-88 | | 33 |
| 419 | A hybrid algorithm for constrained portfolio selection problems. <i>Applied Intelligence</i> , 2013 , 39, 251-266 | 4.9 | 38 |
| 418 | A New Population Initialization Approach Based on Bordered Hessian for Portfolio Optimization Problems. 2013 , | | 8 |
| 417 | EDA with Switching Distributions for Long-Short Portfolio Replication Problems. 2013 , | | |
| 416 | Fuzzy decision theory based optimization of constrained portfolios using metaheuristics. 2013 , | | 4 |
| 415 | An application of Markowitz theorem on Tehran Stock Exchange. 2014 , 4, 899-904 | | 2 |
| 414 | Firefly algorithm for cardinality constrained mean-variance portfolio optimization problem with entropy diversity constraint. 2014 , 2014, 721521 | | 83 |
| 413 | Asset management using an extended Markowitz theorem. 2014 , 4, 1309-1314 | | 1 |
| 412 | Asset management using genetic algorithm: Evidence from Tehran Stock Exchange. 2014 , 221-226 | | 3 |
| 411 | Factor Models for Alpha Streams. <i>SSRN Electronic Journal</i> , 2014 , | 1 | 2 |
| 410 | Notes on Alpha Stream Optimization. <i>SSRN Electronic Journal</i> , 2014 , | 1 | 2 |
| 409 | EFFECTS OF MULTIPLE CRITERIA ON PORTFOLIO OPTIMIZATION. 2014 , 13, 77-99 | | 9 |
| 408 | Multiobjective Interacting Particle Algorithm for Global Optimization. <i>INFORMS Journal on Computing</i> , 2014 , 26, 500-513 | 2.4 | 7 |
| 407 | Application of Artificial Bee Colony Algorithm to Portfolio Adjustment Problem with Transaction Costs. 2014 , 2014, 1-12 | | 2 |
| 406 | A novel method for modelling cardinality and rank constraints. 2014 , | | 3 |

| | | | |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|
| 405 | Artificial bee colony algorithm for portfolio optimization. 2014, | | 1 |
| 404 | Upgraded Firefly Algorithm for Portfolio Optimization Problem. 2014, | | 17 |
| 403 | A Population-Based Incremental Learning Method for Constrained Portfolio Optimisation. 2014, | | 2 |
| 402 | A learning-guided multi-objective evolutionary algorithm for constrained portfolio optimization. <i>Applied Soft Computing Journal</i> , 2014 , 24, 757-772 | 7.5 | 102 |
| 401 | Carry trade portfolio optimization using particle swarm optimization. 2014, | | 2 |
| 400 | A combinatorial algorithm for the cardinality constrained portfolio optimization problem. 2014, | | 8 |
| 399 | Using harmony search with multiple pitch adjustment operators for the portfolio selection problem. 2014, | | 4 |
| 398 | Improving the Performance of MIQP Solvers for Quadratic Programs with Cardinality and Minimum Threshold Constraints: A Semidefinite Program Approach. <i>INFORMS Journal on Computing</i> , 2014 , 26, 690-703 | 2.4 | 36 |
| 397 | A comparative performance assessment of a set of multiobjective algorithms for constrained portfolio assets selection. 2014 , 16, 38-51 | | 33 |
| 396 | A new Probe Guided Mutation operator and its application for solving the cardinality constrained portfolio optimization problem. 2014 , 41, 6274-6290 | | 41 |
| 395 | Successive convex approximations to cardinality-constrained convex programs: a piecewise-linear DC approach. 2014 , 59, 379-397 | | 21 |
| 394 | Twenty years of linear programming based portfolio optimization. <i>European Journal of Operational Research</i> , 2014 , 234, 518-535 | 5.6 | 121 |
| 393 | Constrained portfolio asset selection using multiobjective bacteria foraging optimization. 2014 , 14, 113-145 | | 14 |
| 392 | Portfolio optimization using fundamental indicators based on multi-objective EA. 2014, | | 2 |
| 391 | Metaheuristic multi-objective optimization of constrained futures portfolios for effective risk management. 2014 , 19, 1-14 | | 12 |
| 390 | Long-Short Portfolio Optimization Under Cardinality Constraints by Difference of Convex Functions Algorithm. 2014 , 161, 199-224 | | 24 |
| 389 | A two-stage stochastic mixed-integer program modelling and hybrid solution approach to portfolio selection problems. 2014 , 289, 190-205 | | 11 |
| 388 | There is no silver bullet: The value of diversification in planning invasive species surveillance. 2014 , 104, 61-72 | | 49 |

| | | | |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 387 | Factor Model Based Clustering Approach for Cardinality Constrained Portfolio Selection. 2014 , 47, 10713-10718 | | |
| 386 | A Fuzzy Goal Programming Model for Venture Capital Investment Decision Making. 2014 , 52, 138-146 | | 11 |
| 385 | A hybrid genetic algorithm for a two-stage stochastic portfolio optimization with uncertain asset prices. 2015 , | | 4 |
| 384 | Hybrid Metaheuristic for Portfolio Selection: Comparison with an exact solver and search space analysis. 2015 , | | 0 |
| 383 | Surveying stock market portfolio optimization techniques. 2015 , | | 3 |
| 382 | Solving a portfolio optimisation problem via heuristic algorithms. 2015 , 9, 125 | | 2 |
| 381 | Portfolio Selection with Multiple Spectral Risk Constraints. <i>SSRN Electronic Journal</i> , 2015 , | 1 | |
| 380 | Combining Alphas via Bounded Regression. <i>SSRN Electronic Journal</i> , 2015 , | 1 | 1 |
| 379 | Combining Alphas via Bounded Regression. 2015 , 3, 474-490 | | 1 |
| 378 | A Two-Stage Method for Considering Cardinality in Portfolio Optimization of Mutual Funds. 2015 , 9, | | |
| 377 | A Novel Particle Swarm Optimization for Portfolio Optimization Based on Random Population Topology Strategies. <i>Lecture Notes in Computer Science</i> , 2015 , 164-175 | 0.9 | 5 |
| 376 | Advances in Swarm and Computational Intelligence. <i>Lecture Notes in Computer Science</i> , 2015 , | 0.9 | 2 |
| 375 | Equality constraint-handling technique with various mapping points: The case of portfolio replication problem. 2015 , | | 3 |
| 374 | Beating the market with small portfolios: Evidence from Brazil. 2015 , 16, 22-31 | | 4 |
| 373 | A novel PSO for portfolio optimization based on heterogeneous multiple population strategy. 2015 , | | 5 |
| 372 | Multi-objective portfolio optimization considering the dependence structure of asset returns. <i>European Journal of Operational Research</i> , 2015 , 244, 525-539 | 5.6 | 36 |
| 371 | Artificial bee colony algorithm for constrained possibilistic portfolio optimization problem. 2015 , 429, 125-139 | | 57 |
| 370 | Portfolio Optimization. 2015 , 1-18 | | |

| | | | |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 369 | Portfolio Optimization with Other Real Features. 2015 , 63-72 | | 1 |
| 368 | On a Reformulation of Mathematical Programs with Cardinality Constraints. 2015 , 3-14 | | 8 |
| 367 | A memetic algorithm for cardinality-constrained portfolio optimization with transaction costs. <i>Applied Soft Computing Journal</i> , 2015 , 36, 125-142 | 7.5 | 31 |
| 366 | Portfolio Selection with Multiple Spectral Risk Constraints. 2015 , 6, 467-486 | | 3 |
| 365 | Linear and Mixed Integer Programming for Portfolio Optimization. 2015 , | | 16 |
| 364 | Efficient Portfolio Construction with the Use of Multiobjective Evolutionary Algorithms: Best Practices and Performance Metrics. 2015 , 14, 535-564 | | 31 |
| 363 | Rebalancing and Index Tracking. 2015 , 73-86 | | 1 |
| 362 | A GRASP based solution approach to solve cardinality constrained portfolio optimization problems. <i>Computers and Industrial Engineering</i> , 2015 , 90, 339-351 | 6.4 | 20 |
| 361 | Portfolio Optimization with Transaction Costs. 2015 , 47-62 | | 1 |
| 360 | Multiple Criteria Decision Making in Finance, Insurance and Investment. 2015 , | | 7 |
| 359 | A harmony search algorithm for high-dimensional multimodal optimization problems. 2015 , 46, 151-163 | | 22 |
| 358 | A hybrid approach to portfolio composition based on fundamental and technical indicators. 2015 , 42, 2036-2048 | | 27 |
| 357 | Linear vs. quadratic portfolio selection models with hard real-world constraints. 2015 , 12, 345-370 | | 14 |
| 356 | Application of Net Cash Flow at Risk in Project Portfolio Selection. 2016 , 47, 68-78 | | 3 |
| 355 | Quantifying Systemic Risk by Solutions of the Mean-Variance Risk Model. 2016 , 11, e0158444 | | 2 |
| 354 | Enhancing Financial Portfolio Robustness with an Objective Based on ϵ -Neighborhoods. 2016 , 15, 479-515 | | 1 |
| 353 | Cardinality-constrained Portfolio optimization using an improved quick Artificial Bee Colony Algorithm. 2016 , | | 2 |
| 352 | Dimension Reduction EA for Portfolio Replication Problem: Search Space Change by Fixing Important Variables. 2016 , | | |

| | | | |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 351 | Portfolio Optimization, a Decision-Support Methodology for Small Budgets. <i>Lecture Notes in Computer Science</i> , 2016 , 58-72 | 0.9 | 1 |
| 350 | Anatomy of a portfolio optimizer under a limited budget constraint. 2016 , 9, 125-136 | | 3 |
| 349 | Sparse tangent portfolio selection via semi-definite relaxation. 2016 , 44, 540-543 | | 7 |
| 348 | Multi-period cardinality constrained portfolio selection models with interval coefficients. 2016 , 244, 545-569 | | 12 |
| 347 | Splitting augmented Lagrangian method for optimization problems with a cardinality constraint and semicontinuous variables. 2016 , 31, 1089-1109 | | 4 |
| 346 | Project Portfolio Selection via Harmony Search Algorithm and Modern Portfolio Theory. 2016 , 226, 51-58 | | 10 |
| 345 | Research on regularized mean-variance portfolio selection strategy with modified Roy safety-first principle. 2016 , 5, 919 | | 3 |
| 344 | A comparative study on portfolio optimization problem. 2016 , | | 1 |
| 343 | Solving Realistic Portfolio Optimization Problems via Metaheuristics: A Survey and an Example. 2016 , 22-30 | | 2 |
| 342 | Local Search Algorithms for Portfolio Selection: Search Space and Correlation Analysis. <i>Studies in Computational Intelligence</i> , 2016 , 21-38 | 0.8 | 1 |
| 341 | Portfolio optimization in single-period under cumulative prospect theory using genetic algorithms and bootstrap method. 2016 , | | |
| 340 | Extracting from the relaxed for large-scale semi-continuous variable nondominated frontiers. 2016 , 64, 33-48 | | 2 |
| 339 | Solving multi-objective portfolio optimization problem using invasive weed optimization. 2016 , 28, 42-57 | | 57 |
| 338 | Evolutionary multi-objective optimization algorithms for fuzzy portfolio selection. <i>Applied Soft Computing Journal</i> , 2016 , 39, 48-63 | 7.5 | 83 |
| 337 | A quantitative description of complex adaptive system: The self-adaptive mechanism of the material purchasing management system towards the changing environment. 2016 , 29, 151-170 | | 0 |
| 336 | Prediction based mean-variance model for constrained portfolio assets selection using multiobjective evolutionary algorithms. 2016 , 28, 117-130 | | 18 |
| 335 | Portfolio optimization with disutility-based risk measure. <i>European Journal of Operational Research</i> , 2016 , 251, 541-553 | 5.6 | 7 |
| 334 | An integrated multi-objective MarkowitzDEA cross-efficiency model with fuzzy returns for portfolio selection problem. <i>Applied Soft Computing Journal</i> , 2016 , 38, 1-9 | 7.5 | 65 |

| | | | |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 333 | Mixed Tabu machine for portfolio optimization problem. 2017 , 94, 1089-1107 | | 1 |
| 332 | Particle swarm optimization with dynamic random population topology strategies for a generalized portfolio selection problem. 2017 , 16, 31-44 | | 17 |
| 331 | Parallel Optimization of Sparse Portfolios with AR-HMMs. 2017 , 49, 563-578 | | 2 |
| 330 | Factor-based robust index tracking. 2017 , 18, 443-466 | | 12 |
| 329 | Mean-VaR portfolio optimization: A nonparametric approach. <i>European Journal of Operational Research</i> , 2017 , 260, 751-766 | 5.6 | 58 |
| 328 | Solving cardinality constrained mean-variance portfolio problems via MILP. 2017 , 254, 47-59 | | 11 |
| 327 | Dynamic Portfolio Optimization in Ultra-High Frequency Environment. <i>Lecture Notes in Computer Science</i> , 2017 , 34-50 | 0.9 | 4 |
| 326 | The mean-variance cardinality constrained portfolio optimization problem using a local search-based multi-objective evolutionary algorithm. <i>Applied Intelligence</i> , 2017 , 47, 505-525 | 4.9 | 12 |
| 325 | Fireworks algorithm for mean-VaR/CVaR models. 2017 , 483, 1-8 | | 16 |
| 324 | An artificial bee colony algorithm with feasibility enforcement and infeasibility toleration procedures for cardinality constrained portfolio optimization. 2017 , 85, 61-75 | | 35 |
| 323 | Reverse adaptive krill herd locally weighted support vector regression for forecasting and trading exchange traded funds. <i>European Journal of Operational Research</i> , 2017 , 263, 540-558 | 5.6 | 8 |
| 322 | An adaptive portfolio trading system: A risk-return portfolio optimization using recurrent reinforcement learning with expected maximum drawdown. 2017 , 87, 267-279 | | 71 |
| 321 | A Survey on Financial Applications of Metaheuristics. 2017 , 50, 1-23 | | 22 |
| 320 | Portfolio Rebalancing with a Consideration of Market Conditions Changes Using Instance-Based Policy Optimization. 2017 , 100, 66-75 | | |
| 319 | A Hybrid Approach of Optimization and Sampling for Robust Portfolio Selection. 2017 , 317-324 | | |
| 318 | A multiplicative weights update algorithm for MINLP. 2017 , 5, 31-86 | | 4 |
| 317 | The Football Team Composition Problem: a Stochastic Programming approach. 2017 , 13, 113-129 | | 14 |
| 316 | Hybrid bi-objective portfolio optimization with pre-selection strategy. 2017 , 417, 401-419 | | 12 |

| | | | |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 315 | Quadratic Convex Reformulations for Semicontinuous Quadratic Programming. <i>SIAM Journal on Optimization</i> , 2017 , 27, 1531-1553 | 2 | 11 |
| 314 | Extended formulations in mixed integer conic quadratic programming. 2017 , 9, 369-418 | | 13 |
| 313 | The application of water cycle algorithm to portfolio selection. 2017 , 30, 1277-1299 | | 6 |
| 312 | An Evolutionary Algorithm with a New Coding Scheme for Multi-objective Portfolio Optimization. <i>Lecture Notes in Computer Science</i> , 2017 , 97-109 | 0.9 | 3 |
| 311 | Composition of investment portfolios through a combinatorial multiobjective optimization model using CVaR. 2017 , | | 2 |
| 310 | Multi-criteria algorithms for portfolio optimization under practical constraints. 2017 , 37, 104-125 | | 23 |
| 309 | A penalty PALM method for sparse portfolio selection problems. 2017 , 32, 126-147 | | 9 |
| 308 | Prospect theoryBased portfolio optimization: an empirical study and analysis using intelligent algorithms. 2017 , 17, 353-367 | | 13 |
| 307 | Effectiveness of iterative asset selection based on bordered hessian for portfolio optimization problems. 2017 , | | 4 |
| 306 | Portfolio Optimization in Dynamic Environments Using MemSPEAll. <i>Lecture Notes in Computer Science</i> , 2017 , 424-436 | 0.9 | |
| 305 | Bibliography. 2017 , 283-287 | | |
| 304 | Search space reduction approach in evolutionary algorithms: The case of high-dimensional portfolio replication problem. 2017 , | | 2 |
| 303 | 2-Phase NSGA II: An Optimized Reward and Risk Measurements Algorithm in Portfolio Optimization. 2017 , 10, 130 | | 10 |
| 302 | Large-Scale Portfolio Optimization Using Multiobjective Evolutionary Algorithms and Preselection Methods. 2017 , 2017, 1-14 | | 9 |
| 301 | Bibliography. 2017 , 231-260 | | |
| 300 | Exploring the (efficient) frontiers of portfolio optimization. 2017 , | | 0 |
| 299 | Convergence of a Scholtes-type regularization method for cardinality-constrained optimization problems with an application in sparse robust portfolio optimization. 2018 , 70, 503-530 | | 15 |
| 298 | Financial decision support: an overview of developments and recent trends. 2018 , 6, 63-76 | | 4 |

| | | | |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 297 | A survey of swarm intelligence for portfolio optimization: Algorithms and applications. 2018 , 39, 36-52 | | 70 |
| 296 | A novel hybrid heuristic algorithm for a new uncertain mean-variance-skewness portfolio selection model with real constraints. <i>Applied Intelligence</i> , 2018 , 48, 2996-3018 | 4.9 | 29 |
| 295 | The application of portfolio selection to fuel channel inspection in advanced gas-cooled reactors. 2018 , 328, 145-153 | | 1 |
| 294 | Optimization Model Solving. 2018 , 699-742 | | |
| 293 | Fuzzy multi-period portfolio selection model with discounted transaction costs. 2018 , 22, 177-193 | | 14 |
| 292 | A hybrid FABBA algorithm for fuzzy portfolio selection with transaction costs. 2018 , 269, 129-147 | | 16 |
| 291 | A Fund-Constrained Investment Scheme for Profit Maximization in Cloud Computing. 2018 , 11, 893-907 | | 28 |
| 290 | A new efficiently encoded multiobjective algorithm for the solution of the cardinality constrained portfolio optimization problem. 2018 , 267, 281-319 | | 20 |
| 289 | Examining the effect of different configuration issues of the multiobjective evolutionary algorithms on the efficient frontier formulation for the constrained portfolio optimization problem. 2018 , 69, 416-438 | | 7 |
| 288 | Estimation of cardinality constrained portfolio efficiency via segmented DEA. <i>Omega</i> , 2018 , 76, 28-37 | 7.2 | 20 |
| 287 | Genetic algorithm designed for solving portfolio optimization problems subjected to cardinality constraint. 2018 , 9, 294-305 | | 8 |
| 286 | Index tracking optimization with cardinality constraint: a performance comparison of genetic algorithms and tabu search heuristics. 2018 , 30, 2625-2641 | | 18 |
| 285 | Portfolio selection problems with Markowitz's mean-variance framework: a review of literature. 2018 , 17, 125-158 | | 43 |
| 284 | Handling the complexities of the multi-constrained portfolio optimization problem with the support of a novel MOEA. 2018 , 69, 1609-1627 | | 10 |
| 283 | An Efficient Adaptive Real Coded Genetic Algorithm to Solve the Portfolio Choice Problem Under Cumulative Prospect Theory. 2018 , 52, 227-252 | | 3 |
| 282 | A similarity measure for the cardinality constrained frontier in the mean-variance optimization model. Please note this paper has been re-typeset by Taylor & Francis from the manuscript originally provided to the previous publisher. View all notes. 2018 , 69, 928-945 | | 11 |
| 281 | A fuzzy hybrid integrated framework for portfolio optimization in private banking. 2018 , 92, 350-362 | | 18 |
| 280 | Multi-objective heuristic algorithms for practical portfolio optimization and rebalancing with transaction cost. <i>Applied Soft Computing Journal</i> , 2018 , 67, 865-894 | 7.5 | 22 |

| | | | |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 279 | Minimizing the tracking error of cardinality constrained portfolios. <i>Computers and Operations Research</i> , 2018 , 90, 33-41 | 4.6 | 20 |
| 278 | Solution of Multi-objective Portfolio Optimization Problem Using Multi-objective Synergetic Differential Evolution (MO-SDE). 2018 , 191-199 | | 2 |
| 277 | Multi-objective Metaheuristics for Managing Futures Portfolio Risk. 2018 , | | 1 |
| 276 | A Portfolio Selection Model for Robo-Advisor. 2018 , | | |
| 275 | Implementation of e-New Local Search based Multiobjective Optimization Algorithm and Multiobjective Co-variance based Artificial Bee Colony Algorithm in Stocks Portfolio Optimization Problem. 2018 , | | 1 |
| 274 | References. 2018 , 315-319 | | |
| 273 | Equality Constraint-Handling Technique with Variables Grouping in EA for Large Scale Global Optimization. 2018 , | | |
| 272 | A Relaxed Optimization Approach for Cardinality-Constrained Portfolio Optimization. <i>SSRN Electronic Journal</i> , 2018 , | 1 | 1 |
| 271 | Parallel MOEAs for Combinatorial Multiobjective Optimization Model of Financial Portfolio Selection. 2018 , | | 1 |
| 270 | A Framework for Analyzing Influencer Marketing in Social Networks: Selection and Scheduling of Influencers. <i>SSRN Electronic Journal</i> , 2018 , | 1 | 4 |
| 269 | Robust combinatorial optimization under convex and discrete cost uncertainty. 2018 , 6, 211-238 | | 16 |
| 268 | Hybridized Artificial Bee Colony Algorithm for Constrained Portfolio Optimization Problem. 2018 , | | 7 |
| 267 | Optimization of Multiple Electricity Markets Participation Using Evolutionary PSO. 2018 , | | 1 |
| 266 | An evolutionary algorithm with a new operator and an adaptive strategy for large-scale portfolio problems. 2018 , | | 2 |
| 265 | Optimization Methods for Financial Index Tracking: From Theory to Practice. 2018 , 3, 171-279 | | 5 |
| 264 | Multi-population Genetic Algorithm for Cardinality Constrained Portfolio Selection Problems. <i>Lecture Notes in Computer Science</i> , 2018 , 129-140 | 0.9 | 0 |
| 263 | On cutting planes for cardinality-constrained linear programs. 2019 , 178, 417-448 | | 1 |
| 262 | Artificial Bee Colony Algorithm Based on Novel Mechanism for Fuzzy Portfolio Selection. 2019 , 27, 966-978 | | 22 |

| | | | |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 261 | Multi-period mean-semivariance portfolio optimization based on uncertain measure. 2019 , 23, 6231-6247 | | 18 |
| 260 | A Hybrid Multiobjective Bat Algorithm for Fuzzy Portfolio Optimization with Real-World Constraints. 2019 , 21, 291-307 | | 24 |
| 259 | MOEA/D with An Improved Multi-Dimensional Mapping Coding Scheme for Constrained Multi-Objective Portfolio Optimization. 2019 , | | 4 |
| 258 | Using column generation to solve extensions to the Markowitz model. 2019 , 64, 275-288 | | 0 |
| 257 | Systematic Initialization Approaches for Portfolio Optimization Problems. 2019 , 7, 57779-57794 | | 4 |
| 256 | Solving multi-scenario cardinality constrained optimization problems via multi-objective evolutionary algorithms. 2019 , 62, 1 | | 7 |
| 255 | Extended Mean - Variance Portfolio Optimization Model: A Comparative Study Among Swarm Intelligence Algorithms. 2019 , 9, 184 | | |
| 254 | A Collaborative Neurodynamic Optimization Approach to Bicriteria Portfolio Selection. <i>Lecture Notes in Computer Science</i> , 2019 , 318-327 | 0.9 | 2 |
| 253 | A Biased-Randomized Iterated Local Search Algorithm for Rich Portfolio Optimization. 2019 , 9, 3509 | | 19 |
| 252 | Asymptotic Behavior of Memristive Circuits. 2019 , 21, | | 2 |
| 251 | A polynomial goal programming approach for intuitionistic fuzzy portfolio optimization using entropy and higher moments. <i>Applied Soft Computing Journal</i> , 2019 , 85, 105781 | 7.5 | 16 |
| 250 | Portfolio optimization by improved NSGA-II and SPEA 2 based on different risk measures. 2019 , 5, | | 14 |
| 249 | Search Space Reduction Model with Trigonometric Function for Linear Equality Constraint-handling: The Case of Portfolio Replication Problem. 2019 , | | 1 |
| 248 | Efficient frontiers in portfolio optimisation with minimum proportion constraints. 2019 , | | |
| 247 | Group-based Adaptive Differential Evolution For Chance Constrained Portfolio Optimization Using Bank Deposit and Bank Loan. 2019 , | | 2 |
| 246 | Metaheuristics for rich portfolio optimisation and risk management: Current state and future trends. 2019 , 6, 100121 | | 13 |
| 245 | A Relaxed Optimization Approach for Cardinality-Constrained Portfolios. 2019 , | | 2 |
| 244 | A Combinatorial Approach for Small and Strong Formulations of Disjunctive Constraints. 2019 , 44, 793-820 | | 8 |

| | | | |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 243 | Variable neighborhood search heuristic for nonconvex portfolio optimization. 2019 , 64, 254-274 | | 4 |
| 242 | GAN-MP hybrid heuristic algorithm for non-convex portfolio optimization problem. 2019 , 64, 196-226 | | 2 |
| 241 | An adaptive bird swarm algorithm with irregular random flight and its application. 2019 , 35, 57-65 | | 6 |
| 240 | Computational approaches and data analytics in financial services: A literature review. 2019 , 70, 1581-1599 | | 15 |
| 239 | Evolutionary multi-objective optimization for multivariate pairs trading. 2019 , 135, 113-128 | | 12 |
| 238 | Equity portfolio management with cardinality constraints and risk parity control using multi-objective particle swarm optimization. <i>Computers and Operations Research</i> , 2019 , 109, 300-316 | 4.6 | 10 |
| 237 | A multi-objective evolutionary algorithm for a class of mean-variance portfolio selection problems. 2019 , 133, 225-241 | | 21 |
| 236 | A portfolio selection model based on the knapsack problem under uncertainty. 2019 , 14, e0213652 | | 6 |
| 235 | A constrained portfolio trading system using particle swarm algorithm and recurrent reinforcement learning. 2019 , 130, 145-156 | | 24 |
| 234 | Mining corporate portfolio optimization model with company's operational performance level and international risk. 2019 , 32, 307-315 | | 1 |
| 233 | A novel multi period mean-VaR portfolio optimization model considering practical constraints and transaction cost. 2019 , 361, 313-342 | | 17 |
| 232 | A comprehensive review of deterministic models and applications for mean-variance portfolio optimization. 2019 , 125, 345-368 | | 52 |
| 231 | The mean-variance-skewness cardinality constrained portfolio optimization problem using a customized multi-objective evolutionary algorithm. 2019 , | | |
| 230 | An optimizing utility for Portfolio Selection based on Optimal values computed using ANN, NSGA-II and Machine learning technique. 2019 , | | 1 |
| 229 | Implementation of density-based spatial clustering of application with noise and genetic algorithm in portfolio optimization with constraint. 2019 , | | 0 |
| 228 | Portfolio optimization using genetic algorithm and harmony search algorithm with varying operators and parameter values. 2019 , | | |
| 227 | Implementation of agglomerative clustering and genetic algorithm on stock portfolio optimization with possibilistic constraints. 2019 , | | 2 |
| 226 | A constrained portfolio selection model at considering risk-adjusted measure by using hybrid meta-heuristic algorithms. <i>Applied Soft Computing Journal</i> , 2019 , 75, 233-253 | 7.5 | 19 |

| | | | |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 225 | Separable Convex Optimization with Nested Lower and Upper Constraints. 2019 , 1, 71-90 | | 4 |
| 224 | An iterative method for solving a bi-objective constrained portfolio optimization problem. 2019 , 72, 479-498 | | 3 |
| 223 | Complex portfolio selection via convex mixed-integer quadratic programming: a survey. <i>International Transactions in Operational Research</i> , 2019 , 26, 389-414 | 2.9 | 7 |
| 222 | A Novel Hybrid ICA-FA Algorithm for Multiperiod Uncertain Portfolio Optimization Model Based on Multiple Criteria. 2019 , 27, 1023-1036 | | 25 |
| 221 | Portfolio management with higher moments: the cardinality impact. <i>International Transactions in Operational Research</i> , 2019 , 26, 2531-2560 | 2.9 | 7 |
| 220 | A decision support approach for two-stage multi-objective index tracking using improved lagrangian decomposition. <i>Omega</i> , 2020 , 91, 102017 | 7.2 | 2 |
| 219 | The effect of velocity sparsity on the performance of cardinality constrained particle swarm optimization. 2020 , 14, 747-758 | | 1 |
| 218 | An augmented Lagrangian proximal alternating method for sparse discrete optimization problems. 2020 , 83, 833-866 | | 3 |
| 217 | Sparse and robust portfolio selection via semi-definite relaxation. 2020 , 71, 687-699 | | 3 |
| 216 | Neural network forecasting in prediction Sharpe ratio: Evidence from EU debt market. 2020 , 542, 123331 | | 17 |
| 215 | Intuitionistic fuzzy optimistic and pessimistic multi-period portfolio optimization models. 2020 , 24, 11931-11956 | | 6 |
| 214 | Index tracking through deep latent representation learning. 2020 , 20, 639-652 | | 8 |
| 213 | Liquidity Constraints for Portfolio Selection Based on Financial Volume. 2020 , 56, 1055-1077 | | 1 |
| 212 | A hybrid combinatorial approach to a two-stage stochastic portfolio optimization model with uncertain asset prices. 2020 , 24, 2809-2831 | | 6 |
| 211 | A simulation-optimisation genetic algorithm approach to product allocation in vending machine systems. 2020 , 145, 113110 | | 6 |
| 210 | Tri-Criterion Model for Constructing Low-Carbon Mutual Fund Portfolios: A Preference-Based Multi-Objective Genetic Algorithm Approach. 2020 , 17, | | 4 |
| 209 | Implementation of improved quick artificial Bee Colony Algorithm on portfolio optimization problems with constraints. 2020 , | | 0 |
| 208 | Solving Multi-Objective Portfolio Optimization Problem Based on MOEA/D. 2020 , | | 4 |

| | | | |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 207 | Fast algorithms for sparse portfolio selection considering industries and investment styles. 2020 , 78, 763-789 | | 4 |
| 206 | Index Tracking with Cardinality Constraints: A Stochastic Neural Networks Approach. 2020 , 34, 1242-1249 | | 3 |
| 205 | Robust covariance estimators for mean-variance portfolio optimization with transaction lots. 2020 , 7, 100154 | | 0 |
| 204 | Robust CCMV model with short selling and risk-neutral interest rate. 2020 , 547, 124429 | | 5 |
| 203 | Optimal Portfolio Management for Engineering Problems Using Nonconvex Cardinality Constraint: A Computing Perspective. 2020 , 8, 57437-57450 | | 22 |
| 202 | Equally weighted cardinality constrained portfolio selection via factor models. 2020 , 14, 2515-2538 | | |
| 201 | Financial modelling with multiple criteria decision making: A systematic literature review. 2020 , 1-19 | | 8 |
| 200 | An exact algorithm for small-cardinality constrained portfolio optimisation. 2020 , 1-17 | | 1 |
| 199 | The complexity results of the sparse optimization problems and reverse convex optimization problems. 2020 , 14, 2149-2160 | | |
| 198 | A multi-objective instance-based decision support system for investment recommendation in peer-to-peer lending. 2020 , 150, 113278 | | 15 |
| 197 | Clustering and portfolio selection problems: A unified framework. <i>Computers and Operations Research</i> , 2020 , 117, 104891 | 4.6 | 16 |
| 196 | Minimax and Biobjective Portfolio Selection Based on Collaborative Neurodynamic Optimization. 2021 , 32, 2825-2836 | | 21 |
| 195 | Global minimum variance portfolios under uncertainty: a robust optimization approach. 2020 , 76, 267-293 | | 1 |
| 194 | A parallel variable neighborhood search algorithm with quadratic programming for cardinality constrained portfolio optimization. <i>Knowledge-Based Systems</i> , 2020 , 198, 105944 | 7.3 | 18 |
| 193 | High-dimensional index tracking based on the adaptive elastic net. 2020 , 20, 1513-1530 | | 1 |
| 192 | CVaR-cardinality enhanced indexation optimization with tunable short-selling constraints. 2021 , 28, 201-207 | | 2 |
| 191 | Cardinality-constrained portfolio optimization with short selling and risk-neutral interest rate. 2021 , 44, 197-214 | | 1 |
| 190 | Improving statistical arbitrage investment strategy: Evidence from Latin American stock markets. 2021 , 26, 4424-4440 | | |

| | | | |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 189 | A surrogate similarity measure for the mean-variance frontier optimisation problem under bound and cardinality constraints. 2021 , 72, 564-579 | | 3 |
| 188 | A bi-level programming framework for identifying optimal parameters in portfolio selection. <i>International Transactions in Operational Research</i> , 2022 , 29, 87-112 | 2.9 | 1 |
| 187 | A Constrained Portfolio Selection Model Solved by Particle Swarm Optimization Under Different Risk Measures. 2021 , 133-153 | | 1 |
| 186 | The Genetic Algorithm. 2021 , 790-810 | | |
| 185 | A Fast Converging Evolutionary Algorithm for Constrained Multiobjective Portfolio Optimization. <i>Lecture Notes in Computer Science</i> , 2021 , 283-295 | 0.9 | 1 |
| 184 | Robust Portfolio Rebalancing with Cardinality and Diversification Constraints. <i>SSRN Electronic Journal</i> , | 1 | 1 |
| 183 | Sparse minimax portfolio and Sharpe ratio models. 2021 , | | 1 |
| 182 | Mean-CVaR Portfolio Optimization Approaches with Variable Cardinality Constraint and Rebalancing Process. 2021 , 28, 3703-3720 | | 0 |
| 181 | Credit portfolio optimization: A multi-objective genetic algorithm approach. 2021 , 22, 69-69 | | 1 |
| 180 | Artificial Intelligence Applied to Stock Market Trading: A Review. 2021 , 9, 30898-30917 | | 12 |
| 179 | Portfolio Optimization and Asset Allocation With Metaheuristics. 2021 , 78-96 | | |
| 178 | Sparse portfolio selection with uncertain probability distribution. <i>Applied Intelligence</i> , 2021 , 51, 6665-6684 | | 1 |
| 177 | A Framework for Analyzing Influencer Marketing in Social Networks: Selection and Scheduling of Influencers. | | 12 |
| 176 | Robust portfolio rebalancing with cardinality and diversification constraints. 1-15 | | 0 |
| 175 | Multiple populations co-evolutionary particle swarm optimization for multi-objective cardinality constrained portfolio optimization problem. 2021 , 430, 58-70 | | 10 |
| 174 | Bounds on efficient outcomes for large-scale cardinality-constrained Markowitz problems. 2021 , 80, 617 | | 0 |
| 173 | A GD-PSO Algorithm for Smart Transportation Supply Chain ABS Portfolio Optimization. 2021 , 2021, 1-9 | | 1 |
| 172 | High Frequency and Dynamic Pairs Trading with Ant Colony Optimization. 1 | | 1 |

| | | | | |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--|---|
| 171 | A hybrid approach to cardinality constraint portfolio selection problem based on nonlinear neural network and genetic algorithm. 2021 , 169, 114517 | | | 7 |
| 170 | A new fuzzy random multi-objective portfolio model with different entropy measures using fuzzy programming based on artificial bee colony algorithm. 2021 , ahead-of-print, | | | 1 |
| 169 | Evaluation of Index Tracking Portfolios During the COVID-19 Pandemic. 2021 , | | | 0 |
| 168 | A Simulated IMO-DRSA Approach for Cognitive Reduction in Multiobjective Financial Portfolio Interactive Optimization. 2021 , | | | |
| 167 | Bilevel cutting-plane algorithm for cardinality-constrained mean-CVaR portfolio optimization. 2021 , 81, 493-528 | | | 2 |
| 166 | Particle swarm optimization approach to portfolio construction. 2021 , 28, 182 | | | 0 |
| 165 | Dynamic changes and multi-dimensional evolution of portfolio optimization. 1-26 | | | 2 |
| 164 | Valid inequalities for quadratic optimisation with domain constraints. 2021 , 41, 100661 | | | |
| 163 | A novel portfolio optimization model via combining multi-objective optimization and multi-attribute decision making. <i>Applied Intelligence</i> , 1 | 4-9 | | 1 |
| 162 | Dynamic multi-period sparse portfolio selection model with asymmetric investors' sentiments. 2021 , 177, 114945 | | | 1 |
| 161 | Squirrel search algorithm for portfolio optimization. 2021 , 178, 114968 | | | 8 |
| 160 | A rapidly converging artificial bee colony algorithm for portfolio optimization. <i>Knowledge-Based Systems</i> , 2021 , 233, 107505 | 7-3 | | 5 |
| 159 | Utilizing dependence among variables in evolutionary algorithms for mixed-integer programming: A case study on multi-objective constrained portfolio optimization. 2021 , 66, 100928 | | | 5 |
| 158 | An empirical analysis of the cardinality constrained expectile-based VaR portfolio optimization problem. 2021 , 186, 115724 | | | 0 |
| 157 | Performance analysis of the integration between Portfolio Optimization and Technical Analysis strategies in the Brazilian stock market. 2021 , 186, 115687 | | | 3 |
| 156 | Cardinality-Constrained Higher-Order Moment Portfolios Using Particle Swarm Optimization. 2021 , 169-187 | | | |
| 155 | A multiobjective multiperiod mean-semientropy-skewness model for uncertain portfolio selection. <i>Applied Intelligence</i> , 2021 , 51, 5233-5258 | 4-9 | | 3 |
| 154 | Portfolio Optimization and Transaction Costs. 212-241 | | | 6 |

| | | |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| 153 | Evolving Crossover Operators for Function Optimization. <i>Lecture Notes in Computer Science</i> , 2006 , 97-108.9 | 10 |
| 152 | Evolving the Structure of the Particle Swarm Optimization Algorithms. <i>Lecture Notes in Computer Science</i> , 2006 , 25-36 | 0.9 16 |
| 151 | Genetic Control Applied to Asset Managements. <i>Lecture Notes in Computer Science</i> , 2002 , 192-201 | 0.9 3 |
| 150 | Why You Should Consider Nature-Inspired Optimization Methods in Financial Mathematics. 2011 , 241-255 | 4 |
| 149 | Fuzzy Portfolio Selection Models: A Numerical Study. 2012 , 253-280 | 6 |
| 148 | A Global Optimization Heuristic for Portfolio Choice with VaR and Expected Shortfall. 2002 , 167-183 | 29 |
| 147 | The Threshold Accepting Heuristic for Index Tracking. 2002 , 1-18 | 21 |
| 146 | Set-Based Particle Swarm Optimization for Portfolio Optimization. <i>Lecture Notes in Computer Science</i> , 2020 , 333-339 | 0.9 3 |
| 145 | Dual Population Genetic Algorithm for the Cardinality Constrained Portfolio Selection Problem. <i>Lecture Notes in Computer Science</i> , 2014 , 703-712 | 0.9 4 |
| 144 | Linear Models for Portfolio Optimization. 2015 , 19-45 | 3 |
| 143 | Multiple Criteria Decision Making and Goal Programming for Optimal Venture Capital Investments and Portfolio Management. 2015 , 9-30 | 2 |
| 142 | A New Fitness Guided Crossover Operator and Its Application for Solving the Constrained Portfolio Selection Problem. 2015 , 171-187 | 1 |
| 141 | A SimILS-Based Methodology for a Portfolio Optimization Problem with Stochastic Returns. 2016 , 3-11 | 1 |
| 140 | Applications of Heuristics in Finance. 2008 , 635-653 | 8 |
| 139 | Hybrid Local Search for Constrained Financial Portfolio Selection Problems. <i>Lecture Notes in Computer Science</i> , 2007 , 44-58 | 0.9 8 |
| 138 | Integrated Risk Management: Risk Aggregation and Allocation Using Intelligent Systems. 2008 , 317-342 | 2 |
| 137 | Multiobjective (Combinatorial) OptimisationSome Thoughts on Applications. 2009 , 267-282 | 1 |
| 136 | Nature Inspired Intelligence for the Constrained Portfolio Optimization Problem. <i>Lecture Notes in Computer Science</i> , 2008 , 431-436 | 0.9 6 |

| | | | |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 135 | Compromise Approach-Based Genetic Algorithm for Constrained Multiobjective Portfolio Selection Model. 2009 , 697-704 | | 0 |
| 134 | Optimization Problems with Cardinality Constraints. 2010 , 105-130 | | 8 |
| 133 | PSO Heuristics Algorithm for Portfolio Optimization. <i>Lecture Notes in Computer Science</i> , 2010 , 183-190 | 0.9 | 3 |
| 132 | Evolutionary Algorithms and the Cardinality Constrained Portfolio Optimization Problem. 2004 , 253-260 | | 31 |
| 131 | Ant Colony Optimization for Markowitz Mean-Variance Portfolio Model. <i>Lecture Notes in Computer Science</i> , 2010 , 238-245 | 0.9 | 12 |
| 130 | Steepest Ascent Hill Climbing for Portfolio Selection. <i>Lecture Notes in Computer Science</i> , 2012 , 145-154 | 0.9 | 3 |
| 129 | A Comparative Study of Multi-objective Evolutionary Algorithms to Optimize the Selection of Investment Portfolios with Cardinality Constraints. <i>Lecture Notes in Computer Science</i> , 2012 , 165-173 | 0.9 | 3 |
| 128 | Efficient Cardinality/Mean-Variance Portfolios. 2014 , 52-73 | | 9 |
| 127 | Approximation of Pareto Set in Multi Objective Portfolio Optimization. 2009 , 551-562 | | 7 |
| 126 | Modified Moth Search Algorithm for Portfolio Optimization. 2020 , 445-453 | | 3 |
| 125 | . 2018 , 66, 155-170 | | 11 |
| 124 | Solving Portfolio Optimization Problems Using MOEA/D and Levy Flight. 2020 , 12, 2050005 | | 1 |
| 123 | HSTLBO: A hybrid algorithm based on Harmony Search and Teaching-Learning-Based Optimization for complex high-dimensional optimization problems. 2017 , 12, e0175114 | | 24 |
| 122 | Linear vs. Quadratic Portfolio Selection Models in Practice. <i>SSRN Electronic Journal</i> , | 1 | 1 |
| 121 | Combining Alpha Streams with Costs. <i>SSRN Electronic Journal</i> , | 1 | 4 |
| 120 | Hedge Fund Allocation with Survival Uncertainty and Investment Constraints. <i>SSRN Electronic Journal</i> , | 1 | 4 |
| 119 | The Effect of Velocity Sparsity on the Performance of Cardinality Constrained Particle Swarm Optimization. <i>SSRN Electronic Journal</i> , | 1 | 1 |
| 118 | SOLVING CARDINALITY CONSTRAINED PORTFOLIO OPTIMIZATION PROBLEM BY BINARY PARTICLE SWARM OPTIMIZATION ALGORITHM. 2011 , 11, 24-33 | | 1 |

| | | | | |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|----|
| 117 | A CREDIBILISTIC MEAN-SEMIVARIANCE-PER PORTFOLIO SELECTION MODEL FOR LATIN AMERICA. 2019 , 20, 225-243 | | | 16 |
| 116 | A hybrid approach for index tracking with practical constraints. 2014 , 10, 905-927 | | | 5 |
| 115 | Cardinality constrained portfolio selection problem: A completely positive programming approach. 2015 , 12, 1041-1056 | | | 7 |
| 114 | A multi-objective approach for weapon selection and planning problems in dynamic environments. 2017 , 13, 1189-1211 | | | 15 |
| 113 | The Genetic Algorithm. <i>Advances in Information Quality and Management</i> , 2019 , 154-178 | 0.1 | | 2 |
| 112 | Evolutionary Multi-Objective Optimization in Finance. 2007 , 74-89 | | | 3 |
| 111 | Risk Budgeted Portfolio Optimization Using an Extended Ant Colony Optimization Metaheuristic. 2012 , 3, 25-42 | | | 1 |
| 110 | A Weighted Portfolio Optimization Model Based on the Trend Ratio, Emotion Index, and ANGQTS. 2021 , 1-16 | | | 0 |
| 109 | Cardinality-constrained portfolio selection based on collaborative neurodynamic optimization. <i>Neural Networks</i> , 2022 , 145, 68-79 | 9.1 | | 14 |
| 108 | A Metaheuristic-based DSS for Portfolio Optimization. 2002 , 431-437 | | | |
| 107 | Computational Investigations Evidencing Multiple Objectives in Portfolio Optimization. 2003 , 35-44 | | | |
| 106 | Mixed-Integer Credit Portfolio Optimization: An Application to Italian Segregated Funds. <i>SSRN Electronic Journal</i> , | | 1 | |
| 105 | Dynamic Asset Portfolio Optimization by Using GA. 2009 , 129, 1348-1355 | | | |
| 104 | Dynamic Index Fund Optimization by a Heuristic GA Method Based on Correlation Coefficients. <i>Studies in Computational Intelligence</i> , 2009 , 575-584 | 0.8 | | 1 |
| 103 | Heuristic portfolio optimization: Bayesian updating with the Johnson family of distributions. 2010 , 247-281 | | | |
| 102 | Construction of Risk-Averse Enhanced Index Funds. <i>SSRN Electronic Journal</i> , | | 1 | 1 |
| 101 | Evolutionary Computation for Modelling and Optimization in Finance. 2010 , 265-274 | | | |
| 100 | Optimization of Investment Options Using SQL. <i>Lecture Notes in Computer Science</i> , 2010 , 30-39 | 0.9 | | 1 |

| | | | |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|
| 99 | Extended Information Ratio for Portfolio Optimization Using Simulated Annealing with Constrained Neighborhood. 2010 , 130, 1219-1227 | | 1 |
| 98 | Swarm Intelligence for Cardinality-Constrained Portfolio Problems. <i>Lecture Notes in Computer Science</i> , 2010 , 406-415 | 0.9 | |
| 97 | A Hybrid Particle Swarm Optimization Approach and its Application to Solving Portfolio Selection Problems. 2011 , 15, 473-478 | | |
| 96 | Related Work. 2013 , 5-30 | | |
| 95 | Linking Individual Investors' Preferences to a Portfolio Optimization Model. 2013 , 665-672 | | |
| 94 | Reinforcement Learning Method for Portfolio Optimal Frontier Search. <i>Lecture Notes in Computer Science</i> , 2013 , 245-255 | 0.9 | |
| 93 | Computational Issues. 2015 , 97-114 | | |
| 92 | Metaheuristic Construction of Long-Only Risk Budgeted Futures Portfolio with Maximal Diversification Index. <i>SSRN Electronic Journal</i> , | | 1 |
| 91 | A New Equality Constraint-Handling Technique: Unconstrained Search Space Proposal for Equality Constrained Optimization Problem. 2015 , 453-464 | | |
| 90 | Theoretical Framework. 2015 , 87-96 | | |
| 89 | Tight Upper Bounds on the Cardinality Constrained Mean-Variance Portfolio Optimization Problem Using Truncated Eigendecomposition. 2016 , 385-392 | | |
| 88 | Literature Review. 2016 , 5-37 | | |
| 87 | Metaheuristics for Portfolio Optimization. <i>Lecture Notes in Computer Science</i> , 2017 , 77-84 | 0.9 | 2 |
| 86 | Method of Musical Composition for the Portfolio Optimization Problem. <i>Lecture Notes in Computer Science</i> , 2017 , 365-376 | 0.9 | |
| 85 | Selection of Investment Basis Using Neural Networks in Stock Exchange. 2018 , 08, 548-562 | | 3 |
| 84 | Empirical Analysis of Algorithms for Solving the Index Tracking Problem. <i>Izvestiya of Saratov University New Series Series: Mathematics Mechanics Informatics</i> , 2018 , 18, 101-124 | 0.9 | |
| 83 | The Investment Models Based on the Fundamental and Technical Indicators of Listed Companies. 2018 , | | 1 |
| 82 | Portfolio Optimization and Asset Allocation With Metaheuristics. <i>Advances in Information Quality and Management</i> , 2019 , 1-26 | 0.1 | |

| | | | |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|
| 81 | Heuristic Optimization of Portfolio Considering Sharpe's Single Index Model. <i>Advances in Information Quality and Management</i> , 2019 , 179-197 | 0.1 | |
| 80 | Model Pengoptimuman Portofolio Mean-Variance dan Perkembangan Praktisnya. <i>Jurnal Optimasi Sistem Industri</i> , 2019 , 18, 25 | 0.8 | |
| 79 | Improved Set-based Particle Swarm optimization for Portfolio optimization. 2020 , | | 4 |
| 78 | Deep time series forecasting for enhanced index tracking. <i>Applied Economics</i> , 2021 , 53, 1916-1934 | 1.6 | 1 |
| 77 | Cardinality Constrained Risk Parity Portfolios. <i>SSRN Electronic Journal</i> , | 1 | |
| 76 | Multi-objective Basic Variable Neighborhood Search for Portfolio Selection. <i>Lecture Notes in Computer Science</i> , 2020 , 67-80 | 0.9 | |
| 75 | An Agent-based Model for Portfolio Optimization Using Search Space Splitting. 19-34 | | |
| 74 | Cardinality and the Simplex Tableau for the Set Partitioning Problem. 2007 , 49-60 | | |
| 73 | Evaluating the Efficiency of Index Fund Selections Over the Fund's Future Period. 2007 , 157-168 | | 4 |
| 72 | Index Fund Optimization Using Genetic Algorithm and Scatter Diagram Based on Coefficients of Determination. <i>Studies in Computational Intelligence</i> , 2009 , 1-11 | 0.8 | 1 |
| 71 | A simheuristic algorithm for the portfolio optimization problem with random returns and noisy covariances. <i>Computers and Operations Research</i> , 2022 , 139, 105631 | 4.6 | 1 |
| 70 | Analyzing the Performance of a Two-Tail-Measures-Utility Multi-objective Portfolio Optimization Model. <i>SN Operations Research Forum</i> , 2021 , 2, 1 | 0.5 | |
| 69 | Portfolio Optimization with Nonlinear Loss Aversion and Transaction Costs. 2021 , 51-56 | | |
| 68 | Cardinality-Constrained Risk Parity Portfolios. <i>European Journal of Operational Research</i> , 2022 , | 5.6 | 0 |
| 67 | Index tracking with differentiate asset selection. 2020 , | | |
| 66 | SAIPO-TAIPO and Genetic Algorithms for Investment Portfolios. <i>Axioms</i> , 2022 , 11, 42 | 1.6 | 0 |
| 65 | Research on the construction of stock portfolios based on multiobjective water cycle algorithm and KMV algorithm. <i>Applied Soft Computing Journal</i> , 2022 , 115, 108186 | 7.5 | 2 |
| 64 | A Scalable Algorithm for Sparse Portfolio Selection. <i>INFORMS Journal on Computing</i> , | 2.4 | 1 |

| | | | |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|
| 63 | Expected mean return–standard deviation efficient frontier approximation with low-cardinality portfolios in the presence of the risk-free asset. <i>International Transactions in Operational Research</i> , | 2.9 | 1 |
| 62 | Multiple strategies grey wolf optimizer for constrained portfolio optimization. <i>Journal of Intelligent and Fuzzy Systems</i> , 2022 , 1-25 | 1.6 | |
| 61 | A mapping-based constraint-handling technique for evolutionary algorithms with its applications to portfolio optimization problems. <i>SICE Journal of Control Measurement and System Integration</i> , 1-15 | 0.3 | |
| 60 | Multiobjective portfolio optimization via Pareto front evolution. <i>Complex & Intelligent Systems</i> , 1 | 7.1 | 2 |
| 59 | Selection of investment portfolios with social responsibility: a multiobjective model and a Tabu search method. <i>Applied Intelligence</i> , 1 | 4.9 | |
| 58 | Genetic Mean Reversion Strategy for Online Portfolio Selection with Transaction Costs. <i>Mathematics</i> , 2022 , 10, 1073 | 2.3 | 2 |
| 57 | MA-FDRNN: Multi-Asset Fuzzy Deep Recurrent Neural Network Reinforcement Learning for Portfolio Management. 2021 , | | 0 |
| 56 | A hybrid approach based on double roulette wheel selection and quadratic programming for cardinality constrained portfolio optimization. <i>Concurrency Computation Practice and Experience</i> , 2022 , 34, | 1.4 | 0 |
| 55 | Decision Making in Portfolio Optimization by Using a Tri-Objective Model and Decision Parameters. 2022 , 156-161 | | |
| 54 | Maximum Entropy Bi-Objective Model and its Evolutionary Algorithm for Portfolio Optimization. <i>Asia-Pacific Journal of Operational Research</i> , | 0.8 | |
| 53 | Metaheuristic Algorithms For Portfolio Selection Problem: An Overview Including Crypto-Assets. 2022 , | | |
| 52 | Zeroth-Order Regularized Optimization (ZORO): Approximately Sparse Gradients and Adaptive Sampling. <i>SIAM Journal on Optimization</i> , 2022 , 32, 687-714 | 2 | 1 |
| 51 | Estimation of portfolio efficiency in nonconvex settings: A free disposal hull estimator with non-increasing returns to scale. <i>Omega</i> , 2022 , 111, 102672 | 7.2 | 0 |
| 50 | Cardinality-constrained portfolio selection based on two-timescale duplex neurodynamic optimization. <i>Neural Networks</i> , 2022 , | 9.1 | 2 |
| 49 | An enhanced GRASP approach for the index tracking problem. <i>International Transactions in Operational Research</i> , | 2.9 | 0 |
| 48 | Portfolio Optimization Model for Gold and Bitcoin Based on Weighted Unidirectional Dual-Layer LSTM Model and SMA-Slope Strategy. <i>Computational Intelligence and Neuroscience</i> , 2022 , 2022, 1-18 | 3 | |
| 47 | The lower partial moments risk measure in a novel fuzzy framework based on possibility density function. <i>Computers and Industrial Engineering</i> , 2022 , 169, 108309 | 6.4 | 1 |
| 46 | Dynamic sparse portfolio rebalancing model: A perspective of investors' behavior-related decisions. <i>Knowledge-Based Systems</i> , 2022 , 251, 109224 | 7.3 | |

| | | | |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|
| 45 | A Particle Swarm Optimization Copula-Based Approach with Application to Cryptocurrency Portfolio Optimisation. <i>Journal of Risk and Financial Management</i> , 2022 , 15, 285 | 2.4 | 0 |
| 44 | Discrete Dynamical System Approaches for Boolean Polynomial Optimization. <i>Journal of Scientific Computing</i> , 2022 , 92, | 2.3 | 0 |
| 43 | Construction of stock portfolios based on k-means clustering of continuous trend features. <i>Knowledge-Based Systems</i> , 2022 , 109358 | 7.3 | 1 |
| 42 | Portfolio risk and stress across the business cycle. <i>Journal of International Financial Markets, Institutions and Money</i> , 2022 , 101623 | 3.6 | |
| 41 | An Alternating Method for Cardinality-Constrained Optimization: A Computational Study for the Best Subset Selection and Sparse Portfolio Problems. | | |
| 40 | Using Quadratic Interpolated Beetle Antennae Search for Higher Dimensional Portfolio Selection Under Cardinality Constraints. | | |
| 39 | A novel approach to incorporate investor's preference in fuzzy multi-objective portfolio selection problem using credibility measure. 2022 , 118583 | | 0 |
| 38 | Mean-variance portfolio selection problem: Asset reduction via nondominated sorting. 2022 , 86, 263-272 | | |
| 37 | A novel dynamic reference point model for preference-based evolutionary multiobjective optimization. | | 0 |
| 36 | A Multi-objective Evolutionary Algorithm Based on Piecewise Parallel Decomposition for Portfolio Optimization. 2022 , 41-51 | | 0 |
| 35 | A Hybrid Model for Choosing the Optimal Stock Portfolio Under Intuitionistic Fuzzy Sets. | | 0 |
| 34 | A portfolio stock selection model based on expected utility, entropy and variance. 2023 , 213, 118896 | | 2 |
| 33 | Hybrid Enhanced Binary Honey Badger Algorithm with Quadratic Programming for Cardinality Constrained Portfolio Optimization. 1-17 | | 0 |
| 32 | A novel dynamic reference point model for preference-based evolutionary multiobjective optimization. | | 0 |
| 31 | Mean-variance efficient large portfolios: a simple machine learning heuristic technique based on the two-fund separation theorem. | | 0 |
| 30 | A brief review of portfolio optimization techniques. | | 0 |
| 29 | The impact of regulation-based constraints on portfolio selection: The Spanish case. 2022 , 9, | | 0 |
| 28 | Cardinality Constrained Portfolio Optimization on an Ising Machine. 2022 , | | 0 |

- 27 High Dimensional Portfolio Selection with Cardinality Constraints. 1-31 ○
- 26 Portfolio constructions in cryptocurrency market: A CVaR-based deep reinforcement learning approach. **2022**, 106078 ○
- 25 Multi-objective genetic algorithm based on the fuzzy MULTIMOORA method for solving the cardinality constrained portfolio optimization. ○
- 24 Foreign exchange forecasting and portfolio optimization strategy based on hybrid-molecular differential evolution algorithms. ○
- 23 Fractional Liu uncertain differential equation and its application to finance. **2022**, 165, 112875 ○
- 22 Stability improvement for index tracking during a healthcare crisis using a dual decomposition approach. **2023**, 175, 108820 ○
- 21 Dynamic portfolio selection with linear control policies for coherent risk minimization. **2023**, 10, 100262 ○
- 20 An experimental metaheuristic approach for portfolio optimization problem with cardinality constraint. **2022**, ○
- 19 Solving Portfolio Selection Problem Using Whale Optimization Algorithm. **2022**, ○
- 18 Distributionally robust optimization with Wasserstein metric for multi-period portfolio selection under uncertainty. **2022**, ○
- 17 A comparative study of heuristic methods for cardinality constrained portfolio optimization. **2022**, 100097 ○
- 16 Towards Portfolio Selection Strategy Using Cultural Algorithm Based Solution Approach. **2022**, ○
- 15 Cardinality-constrained Distributionally Robust Portfolio Optimization. **2023**, ○
- 14 Revival of Classical Algorithms: A Bibliometric Study on the Trends of Neural Networks and Genetic Algorithms. **2023**, 15, 325 ○
- 13 Portfolio Optimization Problem: A Taxonomic Review of Solution Methodologies. **2023**, 11, 33100-33120 ○
- 12 Cardinality Constrained Portfolio Selection Strategy Based on Hybrid Metaheuristic Optimization Algorithm. **2023**, 853-862 ○
- 11 Risk-allocation-based index tracking. **2023**, 154, 106219 ○
- 10 An improved learning automata based multi-objective whale optimization approach for multi-objective portfolio optimization in financial markets. **2023**, 224, 119970 ○

- 9 Towards Portfolio Selection in Stock Markets Using Grey Wolf Optimization Approach. **2022**, ○
- 8 Adaptive evolutionary algorithms for portfolio selection problems. **2023**, 20, ○
- 7 Solution to the Unconstrained Portfolio Optimisation Problem Using a Genetic Algorithm. **2023**, 471-489 ○
- 6 Heuristic Methods Solving Markowitz Mean-Variance Portfolio Optimization Problem. **2023**, 29-40 ○
- 5 MULTIOBJECTIVE EVOLUTIONARY METAHEURISTIC APPROACH TO THE CONSTRAINED PORTFOLIO OPTIMIZATION PROBLEM. 43, ○
- 4 Partial Index Tracking: A Meta-Learning Approach. ○
- 3 Meta-heuristics for portfolio optimization. ○
- 2 Modeling combinatorial disjunctive constraints via junction trees. ○
- 1 Bayesian optimization of ESG (Environmental Social Governance) financial investments. **2023**, 5, 055003 ○