

David L Woodruff

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5221063/david-l-woodruff-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

60
papers

2,978
citations

26
h-index

54
g-index

61
ext. papers

3,425
ext. citations

2.6
avg, IF

5.17
L-index

#	Paper	IF	Citations
60	CONWIP: a pull alternative to kanban. <i>International Journal of Production Research</i> , 1990 , 28, 879-894	7.8	652
59	Pyomo: modeling and solving mathematical programs in Python. <i>Mathematical Programming Computation</i> , 2011 , 3, 219-260	7.8	371
58	Identification of Outliers in Multivariate Data. <i>Journal of the American Statistical Association</i> , 1996 , 91, 1047-1061	2.8	200
57	Progressive hedging innovations for a class of stochastic mixed-integer resource allocation problems. <i>Computational Management Science</i> , 2011 , 8, 355-370	1	163
56	Pyomo [Optimization Modeling in Python. <i>Springer Optimization and Its Applications</i> , 2012 ,	0.4	110
55	Progressive hedging and tabu search applied to mixed integer (0,1) multistage stochastic programming. <i>Journal of Heuristics</i> , 1996 , 2, 111	1.9	93
54	Obtaining lower bounds from the progressive hedging algorithm for stochastic mixed-integer programs. <i>Mathematical Programming</i> , 2016 , 157, 47-67	2.1	90
53	A class of stochastic programs with decision dependent random elements. <i>Annals of Operations Research</i> , 1998 , 82, 83-106	3.2	88
52	Computable Robust Estimation of Multivariate Location and Shape in High Dimension Using Compound Estimators. <i>Journal of the American Statistical Association</i> , 1994 , 89, 888-896	2.8	80
51	Hashing vectors for tabu search. <i>Annals of Operations Research</i> , 1993 , 41, 123-137	3.2	73
50	Modeling and solving a large-scale generation expansion planning problem under uncertainty. <i>Energy Systems</i> , 2011 , 2, 209-242	1.7	71
49	Beam search for peak alignment of NMR signals. <i>Analytica Chimica Acta</i> , 2004 , 513, 413-416	6.6	71
48	Production planning with load dependent lead times: an update of research. <i>Annals of Operations Research</i> , 2007 , 153, 297-345	3.2	66
47	PySP: modeling and solving stochastic programs in Python. <i>Mathematical Programming Computation</i> , 2012 , 4, 109-149	7.8	65
46	Identification of Outliers in Multivariate Data		64
45	Toward scalable, parallel progressive hedging for stochastic unit commitment 2013 ,		53
44	Production planning with load dependent lead times. <i>4or</i> , 2005 , 3, 257-302	1.4	53

43	Progressive hedging as a meta-heuristic applied to stochastic lot-sizing. <i>European Journal of Operational Research</i> , 2001 , 132, 116-122	5.6	48
42	Automated screening for metabolites in complex mixtures using 2D COSY NMR spectroscopy. <i>Metabolomics</i> , 2006 , 2, 221-233	4.7	42
41	Toward scalable stochastic unit commitment. <i>Energy Systems</i> , 2015 , 6, 417-438	1.7	40
40	Heuristics for Multi-Stage Interdiction of Stochastic Networks. <i>Journal of Heuristics</i> , 2005 , 11, 483-500	1.9	39
39	Computable Robust Estimation of Multivariate Location and Shape in High Dimension Using Compound Estimators		39
38	SEQUENCING AND BATCHING FOR TWO CLASSES OF JOBS WITH DEADLINES AND SETUP TIMES. <i>Production and Operations Management</i> , 2009 , 1, 87-102	3.6	35
37	Heuristic Search Algorithms for the Minimum Volume Ellipsoid. <i>Journal of Computational and Graphical Statistics</i> , 1993 , 2, 69-95	1.4	34
36	A decomposition algorithm applied to planning the interdiction of stochastic networks. <i>Naval Research Logistics</i> , 2005 , 52, 321-328	1.5	33
35	Integration of progressive hedging and dual decomposition in stochastic integer programs. <i>Operations Research Letters</i> , 2015 , 43, 311-316	1	30
34	Toward scalable stochastic unit commitment. Part 1: load scenario generation. <i>Energy Systems</i> , 2015 , 6, 309-329	1.7	26
33	Generating short-term probabilistic wind power scenarios via nonparametric forecast error density estimators. <i>Wind Energy</i> , 2017 , 20, 1911-1925	3.4	25
32	Constructing probabilistic scenarios for wide-area solar power generation. <i>Solar Energy</i> , 2018 , 160, 153-168	1.7	19
31	Multi-period forecasting and scenario generation with limited data. <i>Computational Management Science</i> , 2015 , 12, 267-295	1	18
30	Multi-stage scenario generation by the combined moment matching and scenario reduction method. <i>Operations Research Letters</i> , 2014 , 42, 374-377	1	17
29	Experiments concerning sequential versus simultaneous maximization of objective function and distance. <i>Journal of Heuristics</i> , 2008 , 14, 613-625	1.9	17
28	Interdicting Stochastic Networks with Binary Interdiction Effort 2003 , 69-84		17
27	How to select a small set of diverse solutions to mixed integer programming problems. <i>Operations Research Letters</i> , 2009 , 37, 255-260	1	16
26	Scalable Heuristics for a Class of Chance-Constrained Stochastic Programs. <i>INFORMS Journal on Computing</i> , 2010 , 22, 543-554	2.4	12

25	A distance function to support optimized selection decisions. <i>Decision Support Systems</i> , 2005 , 39, 345-354	6	12
24	BBPH: Using progressive hedging within branch and bound to solve multi-stage stochastic mixed integer programs. <i>Operations Research Letters</i> , 2017 , 45, 34-39	1	10
23	Stochastic optimization models in forest planning: a progressive hedging solution approach. <i>Annals of Operations Research</i> , 2014 , 232, 259	3.2	10
22	Cluster Analysis for Large Datasets: An Effective Algorithm for Maximizing the Mixture Likelihood. <i>Journal of Computational and Graphical Statistics</i> , 2000 , 9, 672	1.4	10
21	Experiments with, and on, algorithms for maximum likelihood clustering. <i>Computational Statistics and Data Analysis</i> , 2004 , 47, 237-253	1.6	9
20	Stochastic programming for flexible global supply chain planning. <i>Flexible Services and Manufacturing Journal</i> , 2017 , 29, 601-633	1.8	8
19	Discrete Lot-Sizing and Scheduling with Sequence-Dependent Setup Times and Costs Including Deterioration and Perishability Constraints 2011 ,		8
18	Selection of an optimal subset of sizes. <i>International Journal of Production Research</i> , 1999 , 37, 3697-3710	8	8
17	Cluster Analysis for Large Datasets: An Effective Algorithm for Maximizing the Mixture Likelihood. <i>Journal of Computational and Graphical Statistics</i> , 2000 , 9, 672-688	1.4	6
16	Ghost Image Processing for Minimum Covariance Determinants. <i>ORSA Journal on Computing</i> , 1995 , 7, 468-473		5
15	A new approximation method for generating day-ahead load scenarios 2013 ,		4
14	Progressive Hedging Innovations for a Class of Stochastic Resource Allocation Problems. <i>SSRN Electronic Journal</i> , 2008 ,	1	4
13	2018 ,		4
12	Load Dependent Lead Times [From Empirical Evidence to Mathematical Modeling 2005 , 539-554		4
11	Preface: logistics, optimization and transportation in memory of the late Arne Løkketangen. <i>Annals of Operations Research</i> , 2017 , 253, 709-711	3.2	2
10	Chance and service level constraints for stochastic generation expansion planning. <i>NETNOMICS: Economic Research and Electronic Networking</i> , 2015 , 16, 169-191	2.3	1
9	A Progressive Hedging Approach for Parameter Estimation via Stochastic Nonlinear Programming. <i>Computer Aided Chemical Engineering</i> , 2012 , 31, 1507-1511	0.6	1
8	Parmest: Parameter Estimation Via Pyomo. <i>Computer Aided Chemical Engineering</i> , 2019 , 41-46	0.6	1

7	A stochastic programming approach to solve a coordinated capacitated stochastic dynamic demand lot-sizing problem with emergency supplies. <i>International Journal of Logistics Systems and Management</i> , 2018 , 29, 173	0.7	1
6	Generating Stochastic Ellipsoidal Forest and Wildland Fire Scar Scenarios for Strategic Forest Management Planning under Uncertainty. <i>Forest Science</i> , 2015 , 61, 494-508	1.4	0
5	Stochastic Programming for Global Supply Chain Planning Under Uncertainty: An Outline. <i>Lecture Notes in Computer Science</i> , 2017 , 437-451	0.9	
4	Mape_Maker: A Scenario Creator. <i>Energy Systems</i> , 2020 , 1	1.7	
3	Software for Creating Stochastic Scenarios for Optimization from Data. <i>Computer Aided Chemical Engineering</i> , 2018 , 1531-1536	0.6	
2	Parametric Stochastic Programming with One Chance Constraint: Gaining Insights from Response Space Analysis. <i>Profiles in Operations Research</i> , 2021 , 99-124	1	
1	Heuristic Search for 2D NMR Alignment to Support Metabolite Identification. <i>Lecture Notes in Computer Science</i> , 2007 , 447-458	0.9	