

Julia A Bennell

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,772
citations

279487

23
h-index

301761

39
g-index

40
all docs

40
docs citations

40
times ranked

1050
citing authors

#	ARTICLE	IF	CITATIONS
1	The geometry of nesting problems: A tutorial. <i>European Journal of Operational Research</i> , 2008, 184, 397-415.	3.5	204
2	Airport runway scheduling. <i>4or</i> , 2011, 9, 115-138.	1.0	128
3	A tutorial in irregular shape packing problems. <i>Journal of the Operational Research Society</i> , 2009, 60, S93-S105.	2.1	104
4	The irregular cutting-stock problem – a new procedure for deriving the no-fit polygon. <i>Computers and Operations Research</i> , 2001, 28, 271-287.	2.4	99
5	A comparative review of 3D container loading algorithms. <i>International Transactions in Operational Research</i> , 2016, 23, 287-320.	1.8	97
6	Modelling sovereign credit ratings: Neural networks versus ordered probit. <i>Expert Systems With Applications</i> , 2006, 30, 415-425.	4.4	77
7	Sustainability SI: Multimode Multicommodity Network Design Model for Intermodal Freight Transportation with Transfer and Emission Costs. <i>Networks and Spatial Economics</i> , 2016, 16, 303-329.	0.7	69
8	Airport runway scheduling. <i>Annals of Operations Research</i> , 2013, 204, 249-270.	2.6	68
9	A beam search implementation for the irregular shape packing problem. <i>Journal of Heuristics</i> , 2010, 16, 167-188.	1.1	67
10	Dynamic scheduling of aircraft landings. <i>European Journal of Operational Research</i> , 2017, 258, 315-327.	3.5	67
11	Hybridising Tabu Search with Optimisation Techniques for Irregular Stock Cutting. <i>Management Science</i> , 2001, 47, 1160-1172.	2.4	64
12	A comprehensive and robust procedure for obtaining the nofit polygon using Minkowski sums. <i>Computers and Operations Research</i> , 2008, 35, 267-281.	2.4	61
13	A genetic algorithm for two-dimensional bin packing with due dates. <i>International Journal of Production Economics</i> , 2013, 145, 547-560.	5.1	59
14	Tools of mathematical modeling of arbitrary object packing problems. <i>Annals of Operations Research</i> , 2010, 179, 343-368.	2.6	56
15	Packing of concave polyhedra with continuous rotations using nonlinear optimisation. <i>European Journal of Operational Research</i> , 2018, 268, 37-53.	3.5	56
16	Matheuristics for the irregular bin packing problem with free rotations. <i>European Journal of Operational Research</i> , 2017, 258, 440-455.	3.5	55
17	Incorporating uncertainty in competitive bidding. <i>International Journal of Project Management</i> , 2000, 18, 337-347.	2.7	53
18	Jostling for position: local improvement for irregular cutting patterns. <i>Journal of the Operational Research Society</i> , 1998, 49, 647-658.	2.1	47

#	ARTICLE	IF	CITATIONS
19	A tabu thresholding implementation for the irregular stock cutting problem. <i>International Journal of Production Research</i> , 1999, 37, 4259-4275.	4.9	45
20	Construction heuristics for two-dimensional irregular shape bin packing with guillotine constraints. <i>European Journal of Operational Research</i> , 2013, 230, 495-504.	3.5	33
21	Optimal layout of ellipses and its application for additive manufacturing. <i>International Journal of Production Research</i> , 2021, 59, 560-575.	4.9	31
22	Optimal clustering of a pair of irregular objects. <i>Journal of Global Optimization</i> , 2015, 61, 497-524.	1.1	30
23	Jostle heuristics for the 2D-irregular shapes bin packing problems with free rotation. <i>International Journal of Production Economics</i> , 2018, 195, 12-26.	5.1	27
24	A beam search approach to solve the convex irregular bin packing problem with guillotine cuts. <i>European Journal of Operational Research</i> , 2018, 270, 89-102.	3.5	21
25	An iterative sequential heuristic procedure to a real-life 1.5-dimensional cutting stock problem. <i>European Journal of Operational Research</i> , 2006, 175, 1870-1889.	3.5	20
26	Column generation and sequential heuristic procedure for solving an irregular shape cutting stock problem. <i>Journal of the Operational Research Society</i> , 2014, 65, 1037-1052.	2.1	18
27	Multicommodity flows and Benders decomposition for restricted continuous location problems. <i>European Journal of Operational Research</i> , 2018, 266, 851-863.	3.5	15
28	Local search algorithms for the min-max loop layout problem. <i>Journal of the Operational Research Society</i> , 2002, 53, 1109-1117.	2.1	13
29	A Variable Neighborhood Search Heuristic for Tramp Ship Scheduling. <i>Lecture Notes in Computer Science</i> , 2011, , 273-285.	1.0	13
30	Mining whole-sample mass spectrometry proteomics data for biomarkers – An overview. <i>Expert Systems With Applications</i> , 2009, 36, 5333-5340.	4.4	11
31	Revising the master production schedule in a HPP framework context. <i>International Journal of Production Research</i> , 2009, 47, 5857-5878.	4.9	10
32	Dynamic pricing for vehicle ferries: Using packing and simulation to optimize revenues. <i>European Journal of Operational Research</i> , 2019, 273, 288-304.	3.5	10
33	The irregular nesting problem: a new approach for nofit polygon calculation. <i>Journal of the Operational Research Society</i> , 2007, 58, 1235-1245.	2.1	7
34	A modelling framework for solving restricted planar location problems using phi-objects. <i>Journal of the Operational Research Society</i> , 2016, 67, 1080-1096.	2.1	7
35	A comparative review of zero-waste fashion design thinking and operational research on cutting and packing optimisation. <i>International Journal of Fashion Design, Technology and Education</i> , 2022, 15, 187-199.	0.9	7
36	Voxel-Based Solution Approaches to the Three-Dimensional Irregular Packing Problem. <i>Operations Research</i> , 2023, 71, 1298-1317.	1.2	7

#	ARTICLE	IF	CITATIONS
37	Queue-constrained packing: A vehicle ferry case study. European Journal of Operational Research, 2021, 289, 727-741.	3.5	4
38	Efficient Local Search Heuristics for Packing Irregular Shapes in Two-Dimensional Heterogeneous Bins. Lecture Notes in Computer Science, 2017, , 557-571.	1.0	3
39	A Comprehensive and Robust Procedure for Obtaining the Nofit Polygon using Monkowski Sums. SSRN Electronic Journal, 0, , .	0.4	1