

Julia A Bennell

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,772
citations

279798

23
h-index

302126

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.	5.7	204
2	Airport runway scheduling. <i>4or</i> , 2011, 9, 115-138.	1.6	128
3	A tutorial in irregular shape packing problems. <i>Journal of the Operational Research Society</i> , 2009, 60, S93-S105.	3.4	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.	4.0	99
5	A comparative review of 3D container loading algorithms. <i>International Transactions in Operational Research</i> , 2016, 23, 287-320.	2.7	97
6	Modelling sovereign credit ratings: Neural networks versus ordered probit. <i>Expert Systems With Applications</i> , 2006, 30, 415-425.	7.6	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.	1.6	69
8	Airport runway scheduling. <i>Annals of Operations Research</i> , 2013, 204, 249-270.	4.1	68
9	A beam search implementation for the irregular shape packing problem. <i>Journal of Heuristics</i> , 2010, 16, 167-188.	1.4	67
10	Dynamic scheduling of aircraft landings. <i>European Journal of Operational Research</i> , 2017, 258, 315-327.	5.7	67
11	Hybridising Tabu Search with Optimisation Techniques for Irregular Stock Cutting. <i>Management Science</i> , 2001, 47, 1160-1172.	4.1	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.	4.0	61
13	A genetic algorithm for two-dimensional bin packing with due dates. <i>International Journal of Production Economics</i> , 2013, 145, 547-560.	8.9	59
14	Tools of mathematical modeling of arbitrary object packing problems. <i>Annals of Operations Research</i> , 2010, 179, 343-368.	4.1	56
15	Packing of concave polyhedra with continuous rotations using nonlinear optimisation. <i>European Journal of Operational Research</i> , 2018, 268, 37-53.	5.7	56
16	Matheuristics for the irregular bin packing problem with free rotations. <i>European Journal of Operational Research</i> , 2017, 258, 440-455.	5.7	55
17	Incorporating uncertainty in competitive bidding. <i>International Journal of Project Management</i> , 2000, 18, 337-347.	5.6	53
18	Jostling for position: local improvement for irregular cutting patterns. <i>Journal of the Operational Research Society</i> , 1998, 49, 647-658.	3.4	47

#	ARTICLE	IF	CITATIONS
19	A tabu thresholding implementation for the irregular stock cutting problem. International Journal of Production Research, 1999, 37, 4259-4275.	7.5	45
20	Construction heuristics for two-dimensional irregular shape bin packing with guillotine constraints. European Journal of Operational Research, 2013, 230, 495-504.	5.7	33
21	Optimal layout of ellipses and its application for additive manufacturing. International Journal of Production Research, 2021, 59, 560-575.	7.5	31
22	Optimal clustering of a pair of irregular objects. Journal of Global Optimization, 2015, 61, 497-524.	1.8	30
23	Jostle heuristics for the 2D-irregular shapes bin packing problems with free rotation. International Journal of Production Economics, 2018, 195, 12-26.	8.9	27
24	A beam search approach to solve the convex irregular bin packing problem with guillotine cuts. European Journal of Operational Research, 2018, 270, 89-102.	5.7	21
25	An iterative sequential heuristic procedure to a real-life 1.5-dimensional cutting stock problem. European Journal of Operational Research, 2006, 175, 1870-1889.	5.7	20
26	Column generation and sequential heuristic procedure for solving an irregular shape cutting stock problem. Journal of the Operational Research Society, 2014, 65, 1037-1052.	3.4	18
27	Multicommodity flows and Benders decomposition for restricted continuous location problems. European Journal of Operational Research, 2018, 266, 851-863.	5.7	15
28	Local search algorithms for the min-max loop layout problem. Journal of the Operational Research Society, 2002, 53, 1109-1117.	3.4	13
29	A Variable Neighborhood Search Heuristic for Tramp Ship Scheduling. Lecture Notes in Computer Science, 2011, , 273-285.	1.3	13
30	Mining whole-sample mass spectrometry proteomics data for biomarkers – An overview. Expert Systems With Applications, 2009, 36, 5333-5340.	7.6	11
31	Revising the master production schedule in a HPP framework context. International Journal of Production Research, 2009, 47, 5857-5878.	7.5	10
32	Dynamic pricing for vehicle ferries: Using packing and simulation to optimize revenues. European Journal of Operational Research, 2019, 273, 288-304.	5.7	10
33	The irregular nesting problem: a new approach for nofit polygon calculation. Journal of the Operational Research Society, 2007, 58, 1235-1245.	3.4	7
34	A modelling framework for solving restricted planar location problems using phi-objects. Journal of the Operational Research Society, 2016, 67, 1080-1096.	3.4	7
35	A comparative review of zero-waste fashion design thinking and operational research on cutting and packing optimisation. International Journal of Fashion Design, Technology and Education, 2022, 15, 187-199.	1.6	7
36	Voxel-Based Solution Approaches to the Three-Dimensional Irregular Packing Problem. Operations Research, 2023, 71, 1298-1317.	1.9	7

#	ARTICLE	IF	CITATIONS
37	Queue-constrained packing: A vehicle ferry case study. European Journal of Operational Research, 2021, 289, 727-741.	5.7	4
38	Efficient Local Search Heuristics for Packing Irregular Shapes in Two-Dimensional Heterogeneous Bins. Lecture Notes in Computer Science, 2017, , 557-571.	1.3	3
39	A Comprehensive and Robust Procedure for Obtaining the Nofit Polygon using Monkowski Sums. SSRN Electronic Journal, 0, , .	0.4	1