Julia A Bennell

List of Publications by Year
in descending order

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	Voxel-Based Solution Approaches to the Three-Dimensional Irregular Packing Problem. Operations Research, 2023, 71, 1298-1317.	1.9	7
2	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
3	Queue-constrained packing: A vehicle ferry case study. European Journal of Operational Research, 2021, 289, 727-741.	5.7	4
4	Optimal layout of ellipses and its application for additive manufacturing. International Journal of Production Research, 2021, 59, 560-575.	7.5	31
5	Dynamic pricing for vehicle ferries: Using packing and simulation to optimize revenues. European Journal of Operational Research, 2019, 273, 288-304.	5.7	10
6	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
7	Packing of concave polyhedra with continuous rotations using nonlinear optimisation. European Journal of Operational Research, 2018, 268, 37-53.	5.7	56
8	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
9	Multicommodity flows and Benders decomposition for restricted continuous location problems. European Journal of Operational Research, 2018, 266, 851-863.	5.7	15
10	Efficient Local Search Heuristics for Packing Irregular Shapes in Two-Dimensional Heterogeneous Bins. Lecture Notes in Computer Science, 2017, , 557-571.	1.3	3
11	Dynamic scheduling of aircraft landings. European Journal of Operational Research, 2017, 258, 315-327.	5.7	67
12	Matheuristics for the irregular bin packing problem with free rotations. European Journal of Operational Research, 2017, 258, 440-455.	5.7	55
13	A comparative review of 3D container loading algorithms. International Transactions in Operational Research, 2016, 23, 287-320.	2.7	97
14	Sustainability SI: Multimode Multicommodity Network Design Model for Intermodal Freight Transportation with Transfer and Emission Costs. Networks and Spatial Economics, 2016, 16, 303-329.	1.6	69
15	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
16	Optimal clustering of a pair of irregular objects. Journal of Global Optimization, 2015, 61, 497-524.	1.8	30
17	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
18	A genetic algorithm for two-dimensional bin packing with due dates. International Journal of Production Economics, 2013, 145, 547-560.	8.9	59

#	ARTICLE	IF	CITATIONS
19	Airport runway scheduling. Annals of Operations Research, 2013, 204, 249-270.	4.1	68
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	Airport runway scheduling. 4or, 2011, 9, 115-138.	1.6	128
22	A Variable Neighborhood Search Heuristic for Tramp Ship Scheduling. Lecture Notes in Computer Science, 2011, , 273-285.	1.3	13
23	Tools ofÂmathematical modeling ofÂarbitrary object packing problems. Annals of Operations Research, 2010, 179, 343-368.	4.1	56
24	A beam search implementation for the irregular shape packing problem. Journal of Heuristics, 2010, 16, 167-188.	1.4	67
25	Revising the master production schedule in a HPP framework context. International Journal of Production Research, 2009, 47, 5857-5878.	7.5	10
26	A tutorial in irregular shape packing problems. Journal of the Operational Research Society, 2009, 60, S93-S105.	3.4	104
27	Mining whole-sample mass spectrometry proteomics data for biomarkers â€" An overview. Expert Systems With Applications, 2009, 36, 5333-5340.	7.6	11
28	The geometry of nesting problems: A tutorial. European Journal of Operational Research, 2008, 184, 397-415.	5.7	204
29	A comprehensive and robust procedure for obtaining the nofit polygon using Minkowski sums. Computers and Operations Research, 2008, 35, 267-281.	4.0	61
30	The irregular nesting problem: a new approach for nofit polygon calculation. Journal of the Operational Research Society, 2007, 58, 1235-1245.	3.4	7
31	Modelling sovereign credit ratings: Neural networks versus ordered probit. Expert Systems With Applications, 2006, 30, 415-425.	7.6	77
32	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
33	Local search algorithms for the min-max loop layout problem. Journal of the Operational Research Society, 2002, 53, 1109-1117.	3.4	13
34	The irregular cutting-stock problem â€" a new procedure for deriving the no-fit polygon. Computers and Operations Research, 2001, 28, 271-287.	4.0	99
35	Hybridising Tabu Search with Optimisation Techniques for Irregular Stock Cutting. Management Science, 2001, 47, 1160-1172.	4.1	64
36	Incorporating uncertainty in competitive bidding. International Journal of Project Management, 2000, 18, 337-347.	5.6	53

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37	A tabu thresholding implementation for the irregular stock cutting problem. International Journal of Production Research, 1999, 37, 4259-4275.	7.5	45
38	Jostling for position: local improvement for irregular cutting patterns. Journal of the Operational Research Society, 1998, 49, 647-658.	3.4	47
39	A Comprehensive and Robust Procedure for Obtaining the Nofit Polygon using Monkowski Sums. SSRN Electronic Journal, 0, , .	0.4	1