

Russell D Meller

List of Publications by Year in descending order

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39
papers

2,243
citations

257450
24
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289244
40
g-index

40
all docs

40
docs citations

40
times ranked

985
citing authors

#	ARTICLE	IF	CITATIONS
1	A decomposition-based approach for the selection of standardized modular containers. International Journal of Production Research, 2014, 52, 4660-4672.	7.5	47
2	Analytical models for warehouse configuration. IIE Transactions, 2014, 46, 928-947.	2.1	26
3	Incorporating vertical travel into non-traditional cross aisles for unit-load warehouse designs. IIE Transactions, 2013, 45, 1322-1331.	2.1	19
4	The Impact of Standardized Metric Physical Internet Containers on the Shipping Volume of Manufacturers. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2012, 45, 364-371.	0.4	14
5	A multiple-drawer medication layout problem in automated dispensing cabinets. Health Care Management Science, 2012, 15, 339-354.	2.6	12
6	Optimal unit-load warehouse designs for single-command operations. IIE Transactions, 2012, 44, 459-475.	2.1	61
7	An analytical model for A-frame system design. IIE Transactions, 2011, 43, 739-752.	2.1	20
8	Turnover-based storage in non-traditional unit-load warehouse designs. IIE Transactions, 2011, 43, 703-720.	2.1	54
9	A travel-time model for a person-onboard order picking system. European Journal of Operational Research, 2010, 200, 385-394.	5.7	50
10	A new optimization model to support a bottom-up approach to facility design. Computers and Operations Research, 2010, 37, 42-49.	4.0	11
11	Effective material flow at an assembly facility. International Journal of Production Research, 2010, 48, 7195-7217.	7.5	11
12	A note on worker blocking in narrow-aisle order picking systems when pick time is non-deterministic. IIE Transactions, 2010, 42, 392-404.	2.1	30
13	Third-party repackaging in hospital pharmacy unit dose acquisition. American Journal of Health-System Pharmacy, 2010, 67, 1108-1114.	1.0	5
14	Optimizing fishbone aisles for dual-command operations in a warehouse. Naval Research Logistics, 2009, 56, 389-403.	2.2	53
15	Aisle configurations for unit-load warehouses. IIE Transactions, 2009, 41, 171-182.	2.1	108
16	Estimating picker blocking in wide-aisle order picking systems. IIE Transactions, 2009, 41, 232-246.	2.1	46
17	Selecting between batch and zone order picking strategies in a distribution center. Transportation Research, Part E: Logistics and Transportation Review, 2008, 44, 696-719.	7.4	78
18	Modeling multiple plant sourcing decisions. International Journal of Production Research, 2008, 46, 5165-5190.	7.5	3

#	ARTICLE	IF	CITATIONS
19	A sequence-pair representation and MIP-model-based heuristic for the facility layout problem with rectangular departments. IIE Transactions, 2007, 39, 377-394.	2.1	88
20	Applying the sequence-pair representation to optimal facility layout designs. Operations Research Letters, 2007, 35, 651-659.	0.7	61
21	The effects of pick density on order picking areas with narrow aisles. IIE Transactions, 2006, 38, 859-868.	2.1	76
22	Assembly system facility design. IIE Transactions, 2006, 38, 53-65.	2.1	11
23	A space allocation algorithm for assembly line components. IIE Transactions, 2005, 37, 51-61.	2.1	21
24	A throughput model for carousel/VLM pods. IIE Transactions, 2004, 36, 725-741.	2.1	47
25	Cost and Throughput Modeling of Manual and Automated Order Fulfillment Systems. IIE Transactions, 2003, 35, 589-603.	2.1	34
26	Enhanced Model Formulations for Optimal Facility Layout. Operations Research, 2003, 51, 629-644.	1.9	147
27	The interaction of location and inventory in designing distribution systems. IIE Transactions, 2000, 32, 155-166.	2.1	2
28	A new harvest operation cost model to evaluate forest harvest layout alternatives. Annals of Operations Research, 2000, 95, 115-129.	4.1	2
29	The interaction of location and inventory in designing distribution systems. IIE Transactions, 2000, 32, 155-166.	2.1	158
30	Optimal facility layout design. Operations Research Letters, 1998, 23, 117-127.	0.7	142
31	Optimal order-to-lane assignments in an order accumulation / sortation system. IIE Transactions, 1997, 29, 293-301.	2.1	28
32	Multi-shuttle automated storage/retrieval systems. IIE Transactions, 1997, 29, 925-938.	2.1	64
33	A reexamination of the distance-based facility layout problem. IIE Transactions, 1997, 29, 549-560.	2.1	54
34	Multi-shuttle automated storage/retrieval systems. IIE Transactions, 1997, 29, 925-938.	2.1	18
35	Alternative approaches to solve the multi-floor facility layout problem. Journal of Manufacturing Systems, 1997, 16, 192-203.	13.9	45
36	A reexamination of the distance-based facility layout problem. IIE Transactions, 1997, 29, 549-560.	2.1	11

#	ARTICLE	IF	CITATIONS
37	The facility layout problem: Recent and emerging trends and perspectives. Journal of Manufacturing Systems, 1996, 15, 351-366.	13.9	417
38	The impact of multiple stocking points on system profitability. International Journal of Production Economics, 1995, 38, 209-214.	8.9	7
39	An Improvement-Type Layout Algorithm for Single and Multiple-Floor Facilities. Management Science, 1994, 40, 918-932.	4.1	158