

# Russell D Meller

## List of Publications by Year in descending order

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39  
papers

2,243  
citations

257357

24  
h-index

289141

40  
g-index

40  
all docs

40  
docs citations

40  
times ranked

985  
citing authors

#	ARTICLE	IF	CITATIONS
1	The facility layout problem: Recent and emerging trends and perspectives. <i>Journal of Manufacturing Systems</i> , 1996, 15, 351-366.	7.6	417
2	An Improvement-Type Layout Algorithm for Single and Multiple-Floor Facilities. <i>Management Science</i> , 1994, 40, 918-932.	2.4	158
3	The interaction of location and inventory in designing distribution systems. <i>IIE Transactions</i> , 2000, 32, 155-166.	2.1	158
4	Enhanced Model Formulations for Optimal Facility Layout. <i>Operations Research</i> , 2003, 51, 629-644.	1.2	147
5	Optimal facility layout design. <i>Operations Research Letters</i> , 1998, 23, 117-127.	0.5	142
6	Aisle configurations for unit-load warehouses. <i>IIE Transactions</i> , 2009, 41, 171-182.	2.1	108
7	A sequence-pair representation and MIP-model-based heuristic for the facility layout problem with rectangular departments. <i>IIE Transactions</i> , 2007, 39, 377-394.	2.1	88
8	Selecting between batch and zone order picking strategies in a distribution center. <i>Transportation Research, Part E: Logistics and Transportation Review</i> , 2008, 44, 696-719.	3.7	78
9	The effects of pick density on order picking areas with narrow aisles. <i>IIE Transactions</i> , 2006, 38, 859-868.	2.1	76
10	Multi-shuttle automated storage/retrieval systems. <i>IIE Transactions</i> , 1997, 29, 925-938.	2.1	64
11	Applying the sequence-pair representation to optimal facility layout designs. <i>Operations Research Letters</i> , 2007, 35, 651-659.	0.5	61
12	Optimal unit-load warehouse designs for single-command operations. <i>IIE Transactions</i> , 2012, 44, 459-475.	2.1	61
13	A reexamination of the distance-based facility layout problem. <i>IIE Transactions</i> , 1997, 29, 549-560.	2.1	54
14	Turnover-based storage in non-traditional unit-load warehouse designs. <i>IIE Transactions</i> , 2011, 43, 703-720.	2.1	54
15	Optimizing fishbone aisles for dual-command operations in a warehouse. <i>Naval Research Logistics</i> , 2009, 56, 389-403.	1.4	53
16	A travel-time model for a person-onboard order picking system. <i>European Journal of Operational Research</i> , 2010, 200, 385-394.	3.5	50
17	A throughput model for carousel/VLM pods. <i>IIE Transactions</i> , 2004, 36, 725-741.	2.1	47
18	A decomposition-based approach for the selection of standardized modular containers. <i>International Journal of Production Research</i> , 2014, 52, 4660-4672.	4.9	47

#	ARTICLE	IF	CITATIONS
19	Estimating picker blocking in wide-aisle order picking systems. IIE Transactions, 2009, 41, 232-246.	2.1	46
20	Alternative approaches to solve the multi-floor facility layout problem. Journal of Manufacturing Systems, 1997, 16, 192-203.	7.6	45
21	Cost and Throughput Modeling of Manual and Automated Order Fulfillment Systems. IIE Transactions, 2003, 35, 589-603.	2.1	34
22	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
23	Optimal order-to-lane assignments in an order accumulation / sortation system. IIE Transactions, 1997, 29, 293-301.	2.1	28
24	Analytical models for warehouse configuration. IIE Transactions, 2014, 46, 928-947.	2.1	26
25	A space allocation algorithm for assembly line components. IIE Transactions, 2005, 37, 51-61.	2.1	21
26	An analytical model for A-frame system design. IIE Transactions, 2011, 43, 739-752.	2.1	20
27	Incorporating vertical travel into non-traditional cross aisles for unit-load warehouse designs. IIE Transactions, 2013, 45, 1322-1331.	2.1	19
28	Multi-shuttle automated storage/retrieval systems. IIE Transactions, 1997, 29, 925-938.	2.1	18
29	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
30	A multiple-drawer medication layout problem in automated dispensing cabinets. Health Care Management Science, 2012, 15, 339-354.	1.5	12
31	Assembly system facility design. IIE Transactions, 2006, 38, 53-65.	2.1	11
32	A new optimization model to support a bottom-up approach to facility design. Computers and Operations Research, 2010, 37, 42-49.	2.4	11
33	Effective material flow at an assembly facility. International Journal of Production Research, 2010, 48, 7195-7217.	4.9	11
34	A reexamination of the distance-based facility layout problem. IIE Transactions, 1997, 29, 549-560.	2.1	11
35	The impact of multiple stocking points on system profitability. International Journal of Production Economics, 1995, 38, 209-214.	5.1	7
36	Third-party repackaging in hospital pharmacy unit dose acquisition. American Journal of Health-System Pharmacy, 2010, 67, 1108-1114.	0.5	5

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37	Modeling multiple plant sourcing decisions. International Journal of Production Research, 2008, 46, 5165-5190.	4.9	3
38	The interaction of location and inventory in designing distribution systems. IIE Transactions, 2000, 32, 155-166.	2.1	2
39	A new harvest operation cost model to evaluate forest harvest layout alternatives. Annals of Operations Research, 2000, 95, 115-129.	2.6	2