

Bryan A Norman

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

2,139
citations

201674

27
h-index

233421

45
g-index

70
all docs

70
docs citations

70
times ranked

1643
citing authors

#	ARTICLE	IF	CITATIONS
1	Heuristic methods for wind energy conversion system positioning. <i>Electric Power Systems Research</i> , 2004, 70, 179-185.	3.6	137
2	A genetic algorithm methodology for complex scheduling problems. <i>Naval Research Logistics</i> , 1999, 46, 199-211.	2.2	112
3	Worker assignment in cellular manufacturing considering technical and human skills. <i>International Journal of Production Research</i> , 2002, 40, 1479-1492.	7.5	112
4	Human related issues in manufacturing cell design, implementation, and operation: a review and survey. <i>Computers and Industrial Engineering</i> , 2005, 48, 507-523.	6.3	111
5	Designing safe job rotation schedules using optimization and heuristic search. <i>Ergonomics</i> , 2000, 43, 543-560.	2.1	95
6	A new mixed integer programming formulation for facility layout design using flexible bays. <i>Operations Research Letters</i> , 2006, 34, 660-672.	0.7	95
7	Single versus multi-dose vaccine vials: An economic computational model. <i>Vaccine</i> , 2010, 28, 5292-5300.	3.8	82
8	The benefits of redesigning Benin's vaccine supply chain. <i>Vaccine</i> , 2014, 32, 4097-4103.	3.8	74
9	Costs of vaccine programs across 94 low- and middle-income countries. <i>Vaccine</i> , 2015, 33, A99-A108.	3.8	68
10	Multi-objective tabu search using a multinomial probability mass function. <i>European Journal of Operational Research</i> , 2006, 169, 918-931.	5.7	67
11	Incorporating physical demand criteria into assembly line balancing. <i>IIE Transactions</i> , 2001, 33, 875-887.	2.1	63
12	Optimization of indoor wireless communication network layouts. <i>IIE Transactions</i> , 2002, 34, 823-836.	2.1	62
13	Impact of changing the measles vaccine vial size on Niger's vaccine supply chain: a computational model. <i>BMC Public Health</i> , 2011, 11, 425.	2.9	61
14	A planning model for the WHO-EPI vaccine distribution network in developing countries. <i>IIE Transactions</i> , 2014, 46, 853-865.	2.1	60
15	Scheduling flowshops with finite buffers and sequence-dependent setup times. <i>Computers and Industrial Engineering</i> , 1999, 36, 163-177.	6.3	50
16	Exploiting Tabu Search Memory in Constrained Problems. <i>INFORMS Journal on Computing</i> , 2004, 16, 241-254.	1.7	49
17	A Quantitative Method for Determining Proper Job Rotation Intervals. <i>Annals of Operations Research</i> , 2004, 128, 251-266.	4.1	47
18	Replacing the measles ten-dose vaccine presentation with the single-dose presentation in Thailand. <i>Vaccine</i> , 2011, 29, 3811-3817.	3.8	41

#	ARTICLE	IF	CITATIONS
19	Impact of Introducing the Pneumococcal and Rotavirus Vaccines Into the Routine Immunization Program in Niger. American Journal of Public Health, 2012, 102, 269-276.	2.7	41
20	Modeling risk in a Design for Supply Chain problem. Computers and Industrial Engineering, 2014, 78, 44-54.	6.3	41
21	Integrated facilities design using a contour distance metric. IIE Transactions, 2001, 33, 337-344.	2.1	38
22	Augmenting Transport versus Increasing Cold Storage to Improve Vaccine Supply Chains. PLoS ONE, 2013, 8, e64303.	2.5	38
23	Development of a Simultaneous Design for Supply Chain Process for the Optimization of the Product Design and Supply Chain Configuration Problem. EMJ - Engineering Management Journal, 2010, 22, 20-30.	2.3	35
24	Redesign of vaccine distribution networks. International Transactions in Operational Research, 2022, 29, 200-225.	2.7	35
25	Maintaining Vaccine Delivery Following the Introduction of the Rotavirus and Pneumococcal Vaccines in Thailand. PLoS ONE, 2011, 6, e24673.	2.5	35
26	A continuous approach to considering uncertainty in facility design. Computers and Operations Research, 2006, 33, 1760-1775.	4.0	33
27	A methodology to create robust job rotation schedules. Annals of Operations Research, 2007, 155, 339-360.	4.1	33
28	Landscaping the structures of GAVI country vaccine supply chains and testing the effects of radical redesign. Vaccine, 2015, 33, 4451-4458.	3.8	33
29	Applying Mathematical Modeling to Create Job Rotation Schedules for Minimizing Occupational Noise Exposure. AIHA Journal: A Journal for the Science of Occupational and Environmental Health and Safety, 2003, 64, 401-405.	0.4	26
30	The impact of implementing a demand forecasting system into a low-income country's supply chain. Vaccine, 2016, 34, 3663-3669.	3.8	25
31	Placement of multiple RFID reader antennas to maximise portal read accuracy. International Journal of Radio Frequency Identification Technology and Applications, 2007, 1, 260.	0.5	24
32	Bi-objective facility expansion and layout considering monuments. IIE Transactions, 2007, 39, 747-761.	2.1	23
33	How influenza vaccination policy may affect vaccine logistics. Vaccine, 2012, 30, 4517-4523.	3.8	23
34	Passive cold devices for vaccine supply chains. Annals of Operations Research, 2015, 230, 87-104.	4.1	23
35	Scheduling operations on parallel machine tools. IIE Transactions, 2000, 32, 449-459.	2.1	21
36	Assessing Human Capital: A Lean Manufacturing Example. EMJ - Engineering Management Journal, 2002, 14, 35-39.	2.3	21

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37	The optimal number of routine vaccines to order at health clinics in low or middle income countries. Vaccine, 2011, 29, 5512-5518.	3.8	20
38	Coverage models to determine outreach vaccination center locations in low and middle income countries. Operations Research for Health Care, 2016, 9, 40-48.	1.2	18
39	A passive cold storage device economic model to evaluate selected immunization location scenarios. Vaccine, 2013, 31, 5232-5238.	3.8	17
40	Process Redesign and Simplified Policies for More Effective Vaccine Inventory Management. EMJ - Engineering Management Journal, 2017, 29, 17-25.	2.3	13
41	Incorporating Physical Demand Criteria into Assembly Line Balancing. IIE Transactions, 2001, 33, 875-887.	2.1	11
42	Determining aisle structures for facility designs using a hierarchy of algorithms. IIE Transactions, 2008, 40, 1019-1031.	2.1	11
43	Spare Capacity Planning for Survivable Mesh Networks. Lecture Notes in Computer Science, 2000, , 957-968.	1.3	11
44	Dynamically optimizing the administration of vaccines from multi-dose vials. IIE Transactions, 2014, 46, 623-635.	2.1	10
45	Incorporating heterogeneous distance metrics within block layout design. International Journal of Production Research, 2003, 41, 1045-1056.	7.5	9
46	Optimizing RFID tag-inventorying algorithms. IIE Transactions, 2010, 42, 690-702.	2.1	8
47	Life cycle optimization of building energy systems. Engineering Optimization, 2008, 40, 157-178.	2.6	7
48	Modular vaccine packaging increases packing efficiency. Vaccine, 2015, 33, 3135-3141.	3.8	7
49	Shelf-space optimization models in decentralized automated dispensing cabinets. Operations Research for Health Care, 2018, 19, 92-106.	1.2	7
50	Scheduling Models for Optimizing Human Performance and Well-Being. Profiles in Operations Research, 2006, , 287-313.	0.4	6
51	Evolutionary Design of Facilities Considering Production Uncertainty. , 2000, , 175-186.		6
52	Exact analysis of (<i>R</i>, <i>s</i>, <i>S</i>) inventory control systems with lost sales and zero lead time. Naval Research Logistics, 2019, 66, 123-132.	2.2	5
53	Cross training in production systems with human learning and forgetting. , 2007, , 111-129.		5
54	Enabling Real-Time Management and Visibility with RFID. , 0, , 172-190.		5

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55	Integrated facility design using an evolutionary approach with a subordinate network algorithm. Lecture Notes in Computer Science, 1998, , 937-946.	1.3	4
56	Customizing immunization clinic operations to minimize open vial waste. Socio-Economic Planning Sciences, 2016, 54, 1-17.	5.0	4
57	Scheduling operations on parallel machine tools. IIE Transactions, 2000, 32, 449-460.	2.1	3
58	Multi-dose vial administration with non-stationary demand and delayed service. Operations Research for Health Care, 2018, 19, 66-79.	1.2	3
59	Standardizing pharmaceutical delivery to reduce pharmacy costs while simultaneously reducing missing doses. IIE Transactions on Healthcare Systems Engineering, 2020, 10, 33-46.	1.7	3
60	Maximizing Read Accuracy by Optimally Locating RFID Interrogators. , 2008, , .		3
61	Integrated facilities design using a contour distance metric. IIE Transactions, 2001, 33, 337-344.	2.1	2
62	Retail shelf replenishment with item-level RFID tagging. International Journal of Industrial and Systems Engineering, 2011, 8, 19.	0.2	2
63	Cross-Training in Production Systems with Human Learning and Forgetting. Industrial Innovation Series, 2005, , 16-1-16-13.	0.2	2
64	Reply to Webster and Osborne. Infection Control and Hospital Epidemiology, 2011, 32, 1047-1048.	1.8	1
65	Operating room turnaround time analysis: a case study. International Journal of Collaborative Enterprise, 2014, 4, 101.	0.2	1
66	Improving patient access in oncology clinics using simulation. Journal of Industrial Engineering and Management, 2022, 15, 455.	1.5	1
67	Design of Production Facilities Using Evolutionary Computing. , 2003, , 309-327.		0
68	Cross-training in production systems with human learning and forgetting. Industrial Innovation Series, 2013, , 567-582.	0.2	0
69	A Heuristic Approach for Integrated Storage and Shelf-Space Allocation. Lecture Notes in Management and Industrial Engineering, 2015, , 11-18.	0.4	0
70	Enhancing staffing methods and improving the admission process of a psychiatric hospital using simulation. International Journal of Healthcare Management, 2023, 16, 246-257.	2.0	0