

Jan B Holmström

List of Publications by Year in descending order

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121
papers

6,682
citations

76326

40
h-index

66911

78
g-index

121
all docs

121
docs citations

121
times ranked

4074
citing authors

#	ARTICLE	IF	CITATIONS
1	Crowdsourcing Properties and Mechanisms of Mega Hackathons: The Case of Junction. IEEE Transactions on Engineering Management, 2023, 70, 3021-3035.	3.5	5
2	Defining the Maturity Levels for Implementing Industrial Logistics Practices in Construction. Frontiers in Built Environment, 2022, 7, .	2.3	2
3	Frontlog scheduling in aircraft line maintenance: From explorative solution design to theoretical insight into buffer management. Journal of Operations Management, 2021, 67, 120-151.	5.2	10
4	Kitting Logistics Solution for Improving On-Site Work Performance in Construction Projects. Journal of Construction Engineering and Management - ASCE, 2021, 147, .	3.8	11
5	Additive Manufacturing for Localized Medical Parts Production: A Case Study. IEEE Access, 2021, 9, 25818-25834.	4.2	20
6	High-frequency forecasting for grocery point-of-sales: intervention in practice and theoretical implications for operational design. Operations Management Research, 2021, 14, 38-60.	8.5	4
7	Blockchain-based deployment of product-centric information systems. Computers in Industry, 2021, 125, 103342.	9.9	8
8	Additive Manufacturing in the Construction Industry: The Comparative Competitiveness of 3D Concrete Printing. Applied Sciences (Switzerland), 2021, 11, 3865.	2.5	17
9	Reducing retail supply chain costs of product returns using digital product fitting. International Journal of Physical Distribution and Logistics Management, 2021, 51, 877-896.	7.4	8
10	Incremental Accumulation of Information Systems Design Theory. , 2021, , 151-172.		1
11	Mapping, analyzing and designing innovation ecosystems: The Ecosystem Pie Model. Long Range Planning, 2020, 53, 101850.	4.9	95
12	Additive Manufacturing as an Enabler of Digital Spare Parts. , 2020, , 45-60.		4
13	A Digital Twin for Safety and Risk Management: A Prototype for a Hydrogen High-Pressure Vessel. Lecture Notes in Computer Science, 2020, , 369-375.	1.3	7
14	Service Levels in Make-to-Order Production: 3D Printing Applications. , 2020, , 61-75.		0
15	Digital Twin: Vision, Benefits, Boundaries, and Creation for Buildings. IEEE Access, 2019, 7, 147406-147419.	4.2	274
16	Direct digital construction: Technology-based operations management practice for continuous improvement of construction industry performance. Automation in Construction, 2019, 107, 102910.	9.8	46
17	Economies of collaboration in build-to-model operations. Journal of Operations Management, 2019, 65, 753-773.	5.2	62
18	Designing an organizational system for economically sustainable demand-side management in district heating and cooling. Journal of Cleaner Production, 2019, 219, 433-442.	9.3	21

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19	Digital product fitting in retail supply chains: maturity levels and potential outcomes. Supply Chain Management, 2019, ahead-of-print, .	6.4	5
20	IoT-Enabled Workplaces: A Case Study of Energy Management and Data Analytics. , 2019, , .		4
21	The digitalization of operations and supply chain management: Theoretical and methodological implications. Journal of Operations Management, 2019, 65, 728-734.	5.2	155
22	Selective laser melting raw material commoditization: impact on comparative competitiveness of additive manufacturing. International Journal of Production Research, 2018, 56, 4874-4896.	7.5	19
23	To kit or not to kit: Analysing the value of model-based kitting for additive manufacturing. Computers in Industry, 2018, 98, 100-117.	9.9	25
24	An IoT-based automation system for older homes: a use case for lighting system. , 2018, , .		29
25	[WiP] A Novel Method for Big Data Analytics and Summarization Based on Fuzzy Similarity Measure. , 2018, , .		14
26	Additive manufacturing in the spare parts supply chain: hub configuration and technology maturity. Rapid Prototyping Journal, 2018, 24, 1178-1192.	3.2	52
27	Information sharing for sales and operations planning: Contextualized solutions and mechanisms. Journal of Operations Management, 2017, 52, 15-29.	5.2	69
28	Additive Manufacturing in Operations and Supply Chain Management: No Sustainability Benefit or Virtuous Knockâ€œOn Opportunities?. Journal of Industrial Ecology, 2017, 21, S21.	5.5	46
29	Sustainability outcomes through direct digital manufacturing-based operational practices: A design theory approach. Journal of Cleaner Production, 2017, 167, 951-961.	9.3	78
30	Production Capacity Pooling in Additive Manufacturing, Possibilities and Challenges. IFIP Advances in Information and Communication Technology, 2017, , 501-508.	0.7	2
31	Differences in adoption of global spare parts management in autonomous service units. Journal of Quality in Maintenance Engineering, 2017, 23, 370-382.	1.7	4
32	Improving home care: Knowledge creation through engagement and design. Journal of Operations Management, 2017, 53-56, 9-22.	5.2	39
33	Simulation of in-transit services in tracked delivery of project supply chains: A case of telecom industry. , 2016, , .		0
34	Effects of combining product-centric control and direct digital manufacturing: The case of preparing customized hose assembly kits. Computers in Industry, 2016, 82, 82-94.	9.9	35
35	Technological Theory of Cloud Manufacturing. Studies in Computational Intelligence, 2016, , 267-276.	0.9	11
36	Collaborative Supply Chain Configurations: The Implications for Supplier Performance in Production and Inventory Control. , 2016, , 27-37.		9

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37	The direct digital manufacturing (r)evolution: definition of a research agenda. <i>Operations Management Research</i> , 2016, 9, 1-10.	8.5	174
38	Future of supply chain planning: closing the gaps between practice and promise. <i>International Journal of Physical Distribution and Logistics Management</i> , 2016, 46, 62-81.	7.4	57
39	Generative Mechanisms of the Adoption of Logistics Innovation: The Case of On-site Shops in Construction Supply Chains. <i>Journal of Business Logistics</i> , 2015, 36, 139-159.	10.6	24
40	Needs and technology adoption: observation from BIM experience. <i>Engineering, Construction and Architectural Management</i> , 2015, 22, 128-150.	3.1	37
41	Supply chain typology for configuring cost-efficient tracking in fashion logistics. <i>International Journal of Logistics Management</i> , 2015, 26, 42-60.	6.6	24
42	Measuring service outcomes for adaptive preventive maintenance. <i>International Journal of Production Economics</i> , 2015, 170, 457-467.	8.9	22
43	BIM as Infrastructure in a Finnish HVAC Actor Network: Enabling Adoption, Reuse, and Recombination over a Building Life Cycle and between Projects. <i>Journal of Management in Engineering - ASCE</i> , 2015, 31, .	4.8	24
44	Risk reduction in new product launch: A hybrid approach combining direct digital and tool-based manufacturing. <i>Computers in Industry</i> , 2015, 74, 29-42.	9.9	48
45	Manufacturing Digitalization and Its Effects on Production Planning and Control Practices. <i>IFIP Advances in Information and Communication Technology</i> , 2015, , 179-185.	0.7	6
46	Exploring the performance effects of performance measurement system use in maintenance process. <i>Journal of Quality in Maintenance Engineering</i> , 2014, 20, 377-401.	1.7	14
47	Collaborative tracking and tracing: the value of a composite design. <i>International Journal of Logistics Management</i> , 2014, 25, 522-536.	6.6	9
48	Digital manufacturing-driven transformations of service supply chains for complex products. <i>Supply Chain Management</i> , 2014, 19, 421-430.	6.4	209
49	Logic for accumulation of design science research theory. , 2014, , .		8
50	Additive manufacturing in the spare parts supply chain. <i>Computers in Industry</i> , 2014, 65, 50-63.	9.9	526
51	The efficiency potential of ICT in haulier operations. <i>Computers in Industry</i> , 2014, 65, 1161-1168.	9.9	21
52	Reversed servitization paths: a case analysis of two manufacturers. <i>Service Business</i> , 2013, 7, 513-537.	4.2	94
53	Sustainable PLM through Intelligent Products. <i>Engineering Applications of Artificial Intelligence</i> , 2013, 26, 789-799.	8.1	82
54	In-transit services and hybrid shipment control: The use of smart goods in transportation networks. <i>Transportation Research Part C: Emerging Technologies</i> , 2013, 36, 231-244.	7.6	22

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55	A manufacturer moving upstream: triadic collaboration for service delivery. Supply Chain Management, 2013, 18, 21-33.	6.4	98
56	Enhancing field service delivery: the role of information. Journal of Quality in Maintenance Engineering, 2012, 18, 125-140.	1.7	21
57	RFID tracking in the book supply chain: the transition from postponed to speculative tagging. International Journal of Logistics Research and Applications, 2012, 15, 199-214.	8.8	21
58	Guest editorial: Five steps towards exploring the future of operations management. Operations Management Research, 2012, 5, 37-42.	8.5	25
59	Aligning organisational interests in designing rail-wagon tracking. Operations Management Research, 2012, 5, 101-115.	8.5	15
60	Instance-Informed Information Systems: A Pre-requisite for Energy-Efficient and Green Information Systems. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2012, , 174-185.	0.3	1
61	Item dwell time in project inventories: A field experiment. Computers in Industry, 2011, 62, 99-106.	9.9	15
62	Comparing provider customer constellations of visibility based service. Journal of Service Management, 2010, 21, 675-692.	7.2	47
63	Implementing inventory transparency to temporary storage locations. International Journal of Managing Projects in Business, 2010, 3, 292-306.	2.5	12
64	Multi-ontology topology of the strategic landscape in three practical cases. Technological Forecasting and Social Change, 2010, 77, 1519-1526.	11.6	11
65	The uses of tracking in operations management: Synthesis of a research program. International Journal of Production Economics, 2010, 126, 267-275.	8.9	50
66	Demand supply chain representation. Journal of Manufacturing Technology Management, 2010, 21, 376-387.	6.4	14
67	Rapid manufacturing in the spare parts supply chain. Journal of Manufacturing Technology Management, 2010, 21, 687-697.	6.4	336
68	Site inventory tracking in the project supply chain: problem description and solution proposal in a very large telecom project. Supply Chain Management, 2010, 15, 252-260.	6.4	16
69	Business Process Management Systems "Enabling Continuous Improvement in Industrial Services. International Federation for Information Processing, 2010, , 636-643.	0.4	1
70	Product Centric Organization of After-Sales Supply Chain Planning and Control. , 2010, , 187-198.		1
71	Patterns of vendor managed inventory: findings from a multiple case study. International Journal of Operations and Production Management, 2009, 29, 1109-1139.	5.9	43
72	Intelligent Products: A survey. Computers in Industry, 2009, 60, 137-148.	9.9	436

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73	Bridging Practice and Theory: A Design Science Approach. <i>Decision Sciences</i> , 2009, 40, 65-87.	4.5	398
74	Roadmap to tracking based business and intelligent products. <i>Computers in Industry</i> , 2009, 60, 229-233.	9.9	41
75	How to design the right supply chains for your customers. <i>Supply Chain Management</i> , 2009, 14, 411-417.	6.4	67
76	Vendor-managed inventory (VMI) in construction. <i>International Journal of Productivity and Performance Management</i> , 2008, 58, 29-40.	3.7	33
77	Design patterns for managing product life cycle information. <i>Communications of the ACM</i> , 2007, 50, 75-79.	4.5	46
78	Selecting the right planning approach for a product. <i>Supply Chain Management</i> , 2007, 12, 3-13.	6.4	40
79	Open-Source Demo System to Support Automated Identification and Tracking Workshops. , 2007, , .		0
80	Measuring the benefit of changing the value offering in grocery supply chains. <i>Production Planning and Control</i> , 2007, 18, 131-141.	8.8	12
81	Benefits of an item-centric enterprise-data model in logistics services: A case study. <i>Computers in Industry</i> , 2007, 58, 814-822.	9.9	39
82	Managing product introductions across the supply chain: findings from a development project. <i>Supply Chain Management</i> , 2006, 11, 121-130.	6.4	23
83	Agent-based model for managing composite product information. <i>Computers in Industry</i> , 2006, 57, 72-81.	9.9	63
84	Product Centric Integration: Exploring The Impact Of RFID And Agent Technology On Supply Chain Management. , 2006, , 565-572.		2
85	The effect of demand visibility in product introductions. <i>International Journal of Physical Distribution and Logistics Management</i> , 2005, 35, 101-115.	7.4	22
86	Solution framework proposal: taking effective control over the project delivery chain with automatic identification and agent-based solutions. <i>Assembly Automation</i> , 2005, 25, 59-65.	1.7	0
87	Supply Chain Collaboration:. <i>European Management Journal</i> , 2005, 23, 170-181.	5.1	500
88	Monitoring new product introductions with sell-through data from channel partners. <i>Supply Chain Management</i> , 2004, 9, 209-212.	6.4	12
89	Productivity improvement in heart surgery – a case study on care process development. <i>Production Planning and Control</i> , 2004, 15, 238-246.	8.8	33
90	Intelligent products – a step towards a more effective project delivery chain. <i>Computers in Industry</i> , 2003, 50, 141-151.	9.9	170

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91	The impact of increasing demand visibility on production and inventory control efficiency. International Journal of Physical Distribution and Logistics Management, 2003, 33, 336-354.	7.4	127
92	Evaluating the Applicability of Merge-in-transit. International Journal of Logistics Management, 2003, 14, 67-82.	6.6	20
93	Increasing customer value and decreasing distribution costs with merge-in-transit. International Journal of Physical Distribution and Logistics Management, 2003, 33, 132-148.	7.4	25
94	Collaborative planning forecasting and replenishment: new solutions needed for mass collaboration. Supply Chain Management, 2002, 7, 136-145.	6.4	121
95	Implementing Collaboration Process Networks. International Journal of Logistics Management, 2002, 13, 39-50.	6.6	27
96	The way to profitable Internet grocery retailing – six lessons learned. International Journal of Retail and Distribution Management, 2002, 30, 169-178.	4.7	62
97	Wireless product identification: enabler for handling efficiency, customisation and information sharing. Supply Chain Management, 2002, 7, 242-252.	6.4	143
98	VMI: What are you losing if you let your customer place orders?. Production Planning and Control, 2002, 13, 17-25.	8.8	102
99	Cost-effectiveness in the e-grocery business. International Journal of Retail and Distribution Management, 2001, 29, 41-48.	4.7	41
100	The other end of the Supply Chain. Supply Chain Forum, 2001, 2, 22-25.	4.2	21
101	Information and communication technology driven business transformation – a call for research. Computers in Industry, 2001, 44, 263-282.	9.9	17
102	The reception box impact on home delivery efficiency in the e-grocery business. International Journal of Physical Distribution and Logistics Management, 2001, 31, 414-426.	7.4	80
103	Solving the last mile issue: reception box or delivery box?. International Journal of Physical Distribution and Logistics Management, 2001, 31, 427-439.	7.4	167
104	A Distributed Software for Collaborative Sales Forecasting. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2000, 33, 109-112.	0.4	1
105	New Service Opportunities in the E-grocery Business. International Journal of Logistics Management, 2000, 11, 61-74.	6.6	41
106	Viewpoint: reaching the consumer through e-grocery VMI. International Journal of Retail and Distribution Management, 2000, 28, 55-61.	4.7	82
107	Using Value Reengineering to Implement Breakthrough Solutions for Customers. International Journal of Logistics Management, 1999, 10, 1-12.	6.6	70
108	The dynamics of consumer response A quest for the attractors of supply chain demand. International Journal of Operations and Production Management, 1999, 19, 993-1010.	5.9	10

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109	Constraints to quick response systems in the implosive industries. Supply Chain Management, 1999, 4, 51-57.	6.4	6
110	Business process innovation in the supply chain – a case study of implementing vendor managed inventory. Journal of Purchasing and Supply Management, 1998, 4, 127-131.	1.0	103
111	Productivity reconsidered: Critical assessment of investments. International Journal of Production Economics, 1998, 56-57, 133-144.	8.9	4
112	Is just-in-time applicable in paper industry logistics?. Supply Chain Management, 1998, 3, 21-32.	6.4	14
113	Handling product range complexity A case study on re-engineering demand forecasting. Business Process Management Journal, 1998, 4, 241-258.	4.2	10
114	Product range management: a case study of supply chain operations in the European grocery industry. Supply Chain Management, 1997, 2, 107-115.	6.4	72
115	Examples of production dynamics control for cost efficiency. International Journal of Production Economics, 1997, 48, 109-119.	8.9	5
116	Speed and efficiency – a statistical enquiry of manufacturing industries. International Journal of Production Economics, 1995, 39, 185-191.	8.9	12
117	Design for speed: a supply chain perspective on design for manufacturability. Computer Integrated Manufacturing Systems, 1995, 8, 223-228.	0.1	22
118	Rough modelling of logistics networks. Journal of Manufacturing Technology Management, 1995, 6, 13-20.	0.5	5
119	Computer support for continuous improvements. Production Planning and Control, 1994, 5, 206-212.	8.8	1
120	The relationship between speed and productivity in industry networks: A study of industrial statistics. International Journal of Production Economics, 1994, 34, 91-97.	8.9	14
121	Game-based learning in an Industrial Service Operations Management Course. , 0, , .		1