

Stephen M Disney

List of Publications by Year in descending order

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77
papers

4,641
citations

109321

35
h-index

102487

66
g-index

79
all docs

79
docs citations

79
times ranked

1890
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring and avoiding the bullwhip effect: A control theoretic approach. European Journal of Operational Research, 2003, 147, 567-590.	5.7	575
2	Supply Chain Collaboration:. European Management Journal, 2005, 23, 170-181.	5.1	500
3	The impact of information enrichment on the Bullwhip effect in supply chains: A control engineering perspective. European Journal of Operational Research, 2004, 153, 727-750.	5.7	436
4	The bullwhip effect: Progress, trends and directions. European Journal of Operational Research, 2016, 250, 691-701.	5.7	272
5	Taming the bullwhip effect whilst watching customer service in a single supply chain echelon. European Journal of Operational Research, 2006, 173, 151-172.	5.7	129
6	The impact of vendor managed inventory on transport operations. Transportation Research, Part E: Logistics and Transportation Review, 2003, 39, 363-380.	7.4	122
7	The impact of product returns and remanufacturing uncertainties on the dynamic performance of a multi-echelon closed-loop supply chain. International Journal of Production Economics, 2017, 183, 487-502.	8.9	113
8	A procedure for the optimization of the dynamic response of a Vendor Managed Inventory system. Computers and Industrial Engineering, 2002, 43, 27-58.	6.3	111
9	Variance amplification and the golden ratio in production and inventory control. International Journal of Production Economics, 2004, 90, 295-309.	8.9	111
10	An integrated production and inventory model to dampen upstream demand variability in the supply chain. European Journal of Operational Research, 2007, 178, 121-142.	5.7	110
11	On variance amplification in a three-echelon supply chain with minimum mean square error forecasting. Omega, 2006, 34, 344-358.	5.9	109
12	Reducing the bullwhip effect: Looking through the appropriate lens. International Journal of Production Economics, 2007, 108, 444-453.	8.9	91
13	Controllable, observable and stable state space representations of a generalized order-up-to policy. International Journal of Production Economics, 2006, 101, 172-184.	8.9	89
14	Bullwhip and inventory variance in a closed loop supply chain. OR Spectrum, 2006, 28, 127-149.	3.4	89
15	The impact of information sharing, random yield, correlation, and lead times in closed loop supply chains. European Journal of Operational Research, 2015, 246, 827-836.	5.7	79
16	On Replenishment Rules, Forecasting, and the Bullwhip Effect in Supply Chains. Foundations and Trends in Technology, Information and Operations Management, 2005, 2, 1-80.	0.5	76
17	Towards responsive vehicle supply: a simulation-based investigation into automotive scheduling systems. Journal of Operations Management, 2005, 23, 507-530.	5.2	74
18	Inventory management for stochastic lead times with order crossovers. European Journal of Operational Research, 2016, 248, 473-486.	5.7	73

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19	On the equivalence of control theoretic, differential, and difference equation approaches to modeling supply chains. <i>International Journal of Production Economics</i> , 2006, 101, 194-208.	8.9	70
20	The myopic Order-Up-To policy with a proportional feedback controller. <i>International Journal of Production Research</i> , 2007, 45, 351-368.	7.5	66
21	Stability analysis of constrained inventory systems with transportation delay. <i>European Journal of Operational Research</i> , 2012, 223, 86-95.	5.7	65
22	Economies of collaboration in build-to-stock model operations. <i>Journal of Operations Management</i> , 2019, 65, 753-773.	5.2	62
23	Is there a benefit to sharing market sales information? Linking theory and practice. <i>Computers and Industrial Engineering</i> , 2008, 54, 315-326.	6.3	59
24	Speeding up the progress curve towards effective supply chain management. <i>Supply Chain Management</i> , 2000, 5, 122-130.	6.4	58
25	Bullwhip and batching: An exploration. <i>International Journal of Production Economics</i> , 2006, 104, 408-418.	8.9	57
26	Avoiding the bullwhip effect using Damped Trend forecasting and the Order-Up-To replenishment policy. <i>International Journal of Production Economics</i> , 2014, 149, 3-16.	8.9	56
27	The governing dynamics of supply chains: The impact of altruistic behaviour. <i>Automatica</i> , 2006, 42, 1301-1309.	5.0	53
28	State space investigation of the bullwhip problem with ARMA(1,1) demand processes. <i>International Journal of Production Economics</i> , 2006, 104, 327-339.	8.9	51
29	The value of coordination in a two-echelon supply chain. <i>IIE Transactions</i> , 2008, 40, 341-355.	2.1	47
30	Exploring nonlinear supply chains: the dynamics of capacity constraints. <i>International Journal of Production Research</i> , 2017, 55, 4053-4067.	7.5	46
31	A unified theory of the dynamics of closed-loop supply chains. <i>European Journal of Operational Research</i> , 2018, 269, 313-326.	5.7	44
32	Exploring the oscillatory dynamics of a forbidden returns inventory system. <i>International Journal of Production Economics</i> , 2014, 147, 3-12.	8.9	43
33	Designing replenishment rules in a two-echelon supply chain with a flexible or an inflexible capacity strategy. <i>International Journal of Production Economics</i> , 2009, 119, 187-198.	8.9	41
34	On bullwhip in a family of order-up-to policies with ARMA(2,2) demand and arbitrary lead-times. <i>International Journal of Production Economics</i> , 2009, 121, 454-463.	8.9	39
35	The inventory performance of forecasting methods: Evidence from the M3 competition data. <i>International Journal of Forecasting</i> , 2019, 35, 251-265.	6.5	38
36	Coordinating Supply Chains via Advance Order Discounts, Minimum Order Quantities, and Delegations. <i>Production and Operations Management</i> , 2017, 26, 2175-2186.	3.8	37

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37	A pragmatic approach to the design of bullwhip controllers. <i>International Journal of Production Economics</i> , 2010, 128, 556-568.	8.9	33
38	Controlling bullwhip and inventory variability with the golden smoothing rule. <i>European Journal of Industrial Engineering</i> , 2007, 1, 241.	0.8	30
39	Supply chain integration: an international comparison of maturity. <i>Asia Pacific Journal of Marketing and Logistics</i> , 2011, 23, 531-552.	3.2	30
40	Impact of market demand mis-specification on a two-level supply chain. <i>International Journal of Production Economics</i> , 2009, 121, 739-751.	8.9	29
41	Mitigating variance amplification under stochastic lead-time: The proportional control approach. <i>European Journal of Operational Research</i> , 2017, 256, 151-162.	5.7	29
42	Estimation in supply chain inventory management. <i>International Journal of Production Research</i> , 2006, 44, 1313-1330.	7.5	27
43	On the replenishment policy when the market demand information is lagged. <i>International Journal of Production Economics</i> , 2012, 135, 458-467.	8.9	27
44	A delayed demand supply chain: Incentives for upstream players. <i>Omega</i> , 2012, 40, 478-487.	5.9	27
45	A win-win solution for the bullwhip problem. <i>Production Planning and Control</i> , 2008, 19, 702-711.	8.8	26
46	Fill rate in a periodic review order-up-to policy under auto-correlated normally distributed, possibly negative, demand. <i>International Journal of Production Economics</i> , 2015, 170, 501-512.	8.9	26
47	Dual Sourcing and Smoothing Under Nonstationary Demand Time Series: Reshoring with SpeedFactories. <i>Management Science</i> , 2022, 68, 1039-1057.	4.1	25
48	The impact of process maturity and uncertainty on supply chain performance: an empirical study. <i>International Journal of Manufacturing Technology and Management</i> , 2008, 15, 12.	0.1	23
49	The influence of multi-product production strategy on factory induced bullwhip. <i>International Journal of Production Research</i> , 2009, 47, 5739-5759.	7.5	23
50	Coordinating lead times and safety stocks under autocorrelated demand. <i>European Journal of Operational Research</i> , 2014, 232, 52-63.	5.7	23
51	Revisiting rescheduling: MRP nervousness and the bullwhip effect. <i>International Journal of Production Research</i> , 2017, 55, 1992-2012.	7.5	23
52	Exploring the nonlinear dynamics of the lost-sales order-up-to policy. <i>International Journal of Production Research</i> , 2021, 59, 5809-5830.	7.5	21
53	The impact of stochastic lead times on the bullwhip effect under correlated demand and moving average forecasts. <i>Omega</i> , 2020, 93, 102033.	5.9	20
54	Explicit filters and supply chain design. <i>Journal of Purchasing and Supply Management</i> , 2003, 9, 73-81.	5.7	17

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55	Managing Bullwhip-induced risks in supply chains. <i>International Journal of Risk Assessment and Management</i> , 2008, 10, 238.	0.1	15
56	On the Lambert W function: Economic Order Quantity applications and pedagogical considerations. <i>International Journal of Production Economics</i> , 2012, 140, 756-764.	8.9	15
57	Inventory performance under staggered deliveries and autocorrelated demand. <i>European Journal of Operational Research</i> , 2016, 249, 1082-1091.	5.7	9
58	The yield rate paradox in closed-loop supply chains. <i>International Journal of Production Economics</i> , 2021, 239, 108187.	8.9	9
59	The Value of Coordination in a Two Echelon Supply Chain: Sharing Information, Policies and Parameters. <i>SSRN Electronic Journal</i> , 2007, , .	0.4	6
60	Altruistic behaviour in a two-echelon supply chain with unmatched proportional feedback controllers. <i>International Journal of Intelligent Systems Technologies and Applications</i> , 2009, 6, 269.	0.2	6
61	Avoiding the capacity cost trap: Three means of smoothing under cyclical production planning. <i>International Journal of Production Economics</i> , 2018, 201, 149-162.	8.9	6
62	Dual Sourcing and Smoothing Under Non-Stationary Demand Time Series: Re-Shoring with Speedfactories. <i>SSRN Electronic Journal</i> , 2018, , .	0.4	5
63	Volume flexibility at responsive suppliers in reshoring decisions: Analysis of a dual sourcing inventory model. <i>Production and Operations Management</i> , 0, , .	3.8	5
64	When the Bullwhip Effect is an Increasing Function of the Lead Time. <i>IFAC-PapersOnLine</i> , 2019, 52, 2297-2302.	0.9	4
65	On the stationary stochastic response of an order-constrained inventory system. <i>European Journal of Operational Research</i> , 2022, , .	5.7	4
66	The Dynamics of Material Flows in Supply Chains. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
67	Supply Chain Collaboration, Inter-Firm Trust and Logistics Performance: Evidence from the Tourism Sector. <i>SSRN Electronic Journal</i> , 2012, , .	0.4	2
68	Coordinating Supply Chains Via Advance-Order Discounts, Minimum Order Quantities, and Delegations: The Case of Two Manufacturers. <i>SSRN Electronic Journal</i> , 2017, , .	0.4	1
69	The Nonlinear Dynamics of Order-Up-To Inventory Systems with Lost Sales. <i>IFAC-PapersOnLine</i> , 2019, 52, 2291-2296.	0.9	1
70	Editorial for the special issue: papers from the 19th international conference on production research. <i>International Journal of Logistics Research and Applications</i> , 2009, 12, 231-232.	8.8	0
71	Reducing order and inventory variability under stochastic lead-time and correlated demand. , 2015, , .		0
72	On net stock amplification in the Damped Trend Order-Up-To system. , 2015, , .		0

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73	A Smoothing Replenishment Policy with Endogenous Lead Times. SSRN Electronic Journal, 0, , .	0.4	0
74	Commentary I. , 2008, , 1-1-1-4.		0
75	A Generalized Order-Up-To Policy and Altruistic Behaviour in a Three-Level Supply Chain. , 2009, , 190-213.		0
76	The Benefit of Altruistic Behaviour Achieved By the Out Policy With Unmatched Proportional Feedback Gains in a Two-Echelon Supply Chain. SSRN Electronic Journal, 0, , .	0.4	0
77	Service Levels in Make-to-Order Production: 3D Printing Applications. , 2020, , 61-75.		0