

# Diwakar Gupta

## List of Publications by Year in descending order

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64  
papers

3,613  
citations

186265

28  
h-index

144013

57  
g-index

65  
all docs

65  
docs citations

65  
times ranked

2201  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Appointment scheduling in health care: Challenges and opportunities. IIE Transactions, 2008, 40, 800-819.  | 2.1 | 776       |
| 2  | A Sequential Bounding Approach for Optimal Appointment Scheduling. IIE Transactions, 2003, 35, 1003-1016.  | 2.1 | 270       |
| 3  | Reservation Planning for Elective Surgery Under Uncertain Demand for Emergency Surgery. Management Science, 1996, 42, 321-334.                               | 4.1 | 231       |
| 4  | Revenue Management for a Primary-Care Clinic in the Presence of Patient Choice. Operations Research, 2008, 56, 576-592.                                      | 1.9 | 180       |
| 5  | Surgical Suites' Operations Management. Production and Operations Management, 2007, 16, 689-700.   | 3.8 | 167       |
| 6  | A Stochastic Inventory Model with Trade Credit. Manufacturing and Service Operations Management, 2009, 11, 4-18.   | 3.7 | 156       |
| 7  | Make-to-order, make-to-stock, or delay product differentiation? A common framework for modeling and analysis. IIE Transactions, 2004, 36, 529-546.           | 2.1 | 152       |
| 8  | Managing Disruptions in Decentralized Supply Chains with Endogenous Supply Process Reliability. Production and Operations Management, 2014, 23, 1198-1211.   | 3.8 | 145       |
| 9  | The capacitated lot-sizing and scheduling problem with sequence-dependent setup costs and setup times. Computers and Operations Research, 2005, 32, 727-747. | 4.0 | 115       |
| 10 | Adaptive Appointment Systems with Patient Preferences. Manufacturing and Service Operations Management, 2011, 13, 373-389.                                   | 3.7 | 98        |
| 11 | Single-Leg Air-Cargo Revenue Management. Transportation Science, 2007, 41, 457-469.  | 4.4 | 83        |
| 12 |  | 0.6 | 76        |
| 13 | Stochastic Comparisons in Production Yield Management. Operations Research, 2005, 53, 377-384.   | 1.9 | 76        |
| 14 | Quantifying Operational Synergies in a Merger/Acquisition. Management Science, 2002, 48, 517-533.  | 4.1 | 75        |
| 15 | Supplier-manufacturer coordination in capacitated two-stage supply chains. European Journal of Operational Research, 2006, 175, 67-89.                       | 5.7 | 75        |
| 16 | On apportioning costs to customers in centralized continuous review inventory systems. Journal of Operations Management, 1991, 10, 546-551.                  | 5.2 | 62        |
| 17 | A pricing model for clearing end-of-season retail inventory. European Journal of Operational Research, 2006, 170, 518-540.                                   | 5.7 | 56        |
| 18 | Retailer-Direct Financing Contracts Under Consignment. Manufacturing and Service Operations Management, 2020, 22, 528-544.                                   | 3.7 | 56        |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | Bundled Payments For Healthcare Services: Proposer Selection and Information Sharing. Operations Research, 2015, 63, 772-788.   | 1.9 | 53        |
| 20 | Control of a Single-Server Tandem Queueing System with Setups. Operations Research, 1998, 46, 218-230.  | 1.9 | 47        |
| 21 | The optimal mix of flexible and dedicated manufacturing capacities: Hedging against demand uncertainty. International Journal of Production Economics, 1992, 28, 309-319. | 8.9 | 46        |
| 22 | Capacity Management for Contract Manufacturing. Operations Research, 2007, 55, 367-377.   | 1.9 | 45        |
| 23 | Flexible carrier“forwarder contracts for air cargo business. Journal of Revenue and Pricing Management, 2008, 7, 341-356.   | 1.1 | 38        |
| 24 | A Note on Air-Cargo Capacity Contracts. Production and Operations Management, 2011, 20, 152-162.  | 3.8 | 34        |
| 25 | Improving operating room schedules. Health Care Management Science, 2016, 19, 261-278.  | 2.6 | 34        |
| 26 | Operating Room Staffing and Scheduling. Manufacturing and Service Operations Management, 2020, 22, 958-974.   | 3.7 | 34        |
| 27 | Capacity planning for cardiac catheterization: A case study. Health Policy, 2007, 82, 1-11.   | 3.0 | 31        |
| 28 | Scope versus focus: issues of flexibility, capacity, and number of production facilities. IIE Transactions, 1998, 30, 413-425.  | 2.1 | 30        |
| 29 | Note: How Does Product Proliferation Affect Responsiveness?. Management Science, 1998, 44, 1017-1020.   | 4.1 | 29        |
| 30 | The relationship between preventive maintenance and manufacturing system performance. European Journal of Operational Research, 2001, 132, 146-162.                       | 5.7 | 28        |
| 31 | Stochastic Comparisons in Airline Revenue Management. Manufacturing and Service Operations Management, 2006, 8, 221-234.  | 3.7 | 27        |
| 32 | Referral Timing and Fundraising Success in Crowdfunding. Manufacturing and Service Operations Management, 2021, 23, 676-694.  | 3.7 | 23        |
| 33 | Nurse Absenteeism and Staffing Strategies for Hospital Inpatient Units. Manufacturing and Service Operations Management, 2014, 16, 439-454.                               | 3.7 | 22        |
| 34 | Contractorsâ€™ and Agency Decisions and Policy Implications in A+B Bidding. Production and Operations Management, 2015, 24, 159-177.                                      | 3.8 | 22        |
| 35 | Polling systems with state-dependent setup times. Queueing Systems, 1996, 22, 403-423.  | 0.9 | 20        |
| 36 | Accept/decline decision module for the liver simulated allocation model. Health Care Management Science, 2015, 18, 35-57.   | 2.6 | 16        |

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|----|--|-----|-----------|
| 37 | Impact of flexible machines on automated manufacturing systems. Annals of Operations Research, 1988, 15, 169-205.                                    | 4.1 | 15        |
| 38 | When Should a Roving Server Be Patient?. Management Science, 1996, 42, 437-451.  | 4.1 | 15        |
| 39 | Group testing in presence of classification errors. , 1999, 18, 1049-1068.   |     | 15        |
| 40 | Strategic inventory deployment in the steel industry. IIE Transactions, 2004, 36, 1083-1097.   | 2.1 | 15        |
| 41 | Vaccine Procurement Contracts for Developing Countries. Production and Operations Management, 2020, 29, 2601-2620.                                   | 3.8 | 14        |
| 42 | Fast-ship commitment contracts in retail supply chains. IIE Transactions, 2013, 45, 811-825.   | 2.1 | 13        |
| 43 | Joint product durability and lot sizing models. European Journal of Operational Research, 1995, 84, 371-384.   | 5.7 | 12        |
| 44 | Performance Evaluation and Stock Allocation in Capacitated Serial Supply Systems. Manufacturing and Service Operations Management, 2006, 8, 169-191. | 3.7 | 12        |
| 45 | On evaluating the impact of flexibility enhancing strategies on the performance of nurse schedules. Health Policy, 2009, 93, 188-200.                | 3.0 | 10        |
| 46 | The Variance Paradox and Its Implications for Japanese Production Theory. Interfaces, 1996, 26, 69-77.   | 1.5 | 8         |
| 47 | Balancing Inventory and Stockout Risk in Retail Supply Chains Using Fastâ€šhip. Production and Operations Management, 2016, 25, 2103-2115.           | 3.8 | 7         |
| 48 | Polling systems with a patient server and state-dependent setup times. IIE Transactions, 1997, 29, 469-480.  | 2.1 | 6         |
| 49 | When do retailers benefit from special ordering?. International Journal of Inventory Research, 2010, 1, 150.   | 0.3 | 6         |
| 50 | Performance metrics for advanced access. Journal of Healthcare Management, 2006, 51, 246-58; discussion 258-9.                                       | 0.6 | 6         |
| 51 | A production system with two job classes, changeover times and revisitation. Queueing Systems, 1990, 6, 353-368.                                     | 0.9 | 5         |
| 52 | A Stochastic Inventory Model With Fastâ€šhip Commitments. Production and Operations Management, 2016, 25, 684-700.                                   | 3.8 | 5         |
| 53 | A critical look at the U.S. deceasedâ€šdonor organ procurement and utilization system. Naval Research Logistics, 2021, 68, 3-29.                     | 2.2 | 5         |
| 54 | On the economic lot scheduling problem with backlogging: The common cycle approach. Operations Research Letters, 1992, 12, 101-109.                  | 0.7 | 4         |

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|----|--|-----|-----------|
| 55 | The Online Reservation Problem. Algorithms, 2020, 13, 241.   | 2.1 | 3         |
| 56 | Gainsharing Contracts for CMS™ Episode-Based Payment Models. Production and Operations Management, 2021, 30, 1290-1312.        | 3.8 | 3         |
| 57 | Threshold start-up control policy for polling systems. Queueing Systems, 1998, 29, 399-421.                                    | 0.9 | 2         |
| 58 | Workload allocation in multi-product, multi-facility production systems with setup times. IIE Transactions, 1999, 31, 339-352. | 2.1 | 2         |
| 59 | The extraboard operator scheduling and work assignment problem. IIE Transactions, 2014, 46, 1132-1146.                         | 2.1 | 1         |
| 60 | Reserve driver scheduling. IIE Transactions, 2016, 48, 193-204.  | 2.1 | 1         |
| 61 | An M/M/l queue with a generalized dynamic promotion rule. International Journal of Systems Science, 1985, 16, 457-464.         | 5.5 | 0         |
| 62 | How many lottery tickets to buy?. Operations Research Letters, 1987, 6, 69-71.   | 0.7 | 0         |
| 63 | Health Systems Operations Research. Journal of the Operational Research Society, 2014, 65, 481-482.                            | 3.4 | 0         |
| 64 | Early Reservation for Follow-up Appointments in a Slotted-Service Queue. Operations Research, 0, , .                           | 1.9 | 0         |