

# Eric H Grosse

## List of Publications by Year in descending order

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Version: 2024-02-01

68  
papers

3,502  
citations

159358

30  
h-index

143772

57  
g-index

69  
all docs

69  
docs citations

69  
times ranked

1836  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Logistics 4.0: a systematic review towards a new logistics system. International Journal of Production Research, 2020, 58, 18-43.   | 4.9 | 389       |
| 2  | Incorporating human factors in order picking planning models: framework and research opportunities. International Journal of Production Research, 2015, 53, 695-717.          | 4.9 | 266       |
| 3  | Industry 4.0 and the human factor "A systems framework and analysis methodology for successful development. International Journal of Production Economics, 2021, 233, 107992. | 5.1 | 264       |
| 4  | Human factors in order picking: a content analysis of the literature. International Journal of Production Research, 2017, 55, 1260-1276.                                      | 4.9 | 181       |
| 5  | Human factors in production and logistics systems of the future. Annual Reviews in Control, 2020, 49, 295-305.  | 4.4 | 160       |
| 6  | The lot sizing problem: A tertiary study. International Journal of Production Economics, 2014, 155, 39-51.  | 5.1 | 159       |
| 7  | Green warehousing: Systematic literature review and bibliometric analysis. Journal of Cleaner Production, 2019, 226, 242-258.   | 4.6 | 136       |
| 8  | Applications of learning curves in production and operations management: A systematic literature review. Computers and Industrial Engineering, 2019, 131, 422-441.            | 3.4 | 117       |
| 9  | Order picker routing in warehouses: A systematic literature review. International Journal of Production Economics, 2020, 224, 107564.   | 5.1 | 112       |
| 10 | The effect of worker learning on manual order picking processes. International Journal of Production Economics, 2015, 170, 882-890.   | 5.1 | 97        |
| 11 | The effect of worker learning and forgetting on storage reassignment decisions in order picking systems. Computers and Industrial Engineering, 2013, 66, 653-662.             | 3.4 | 95        |
| 12 | Human energy expenditure in order picking storage assignment: A bi-objective method. Computers and Industrial Engineering, 2016, 94, 147-157.                                 | 3.4 | 85        |
| 13 | Assessing the environmental impact of integrated inventory and warehouse management. International Journal of Production Economics, 2015, 170, 717-729.                       | 5.1 | 82        |
| 14 | An experimental investigation of learning effects in order picking systems. Journal of Manufacturing Technology Management, 2013, 24, 850-872.                                | 3.3 | 77        |
| 15 | Production economics and the learning curve: A meta-analysis. International Journal of Production Economics, 2015, 170, 401-412.  | 5.1 | 76        |
| 16 | Analysis of economic and ergonomic performance measures of different rack layouts in an order picking warehouse. Computers and Industrial Engineering, 2017, 111, 527-536.    | 3.4 | 76        |
| 17 | Storage policies and order picking strategies in U-shaped order-picking systems with a movable base. International Journal of Production Research, 2012, 50, 4344-4357.       | 4.9 | 69        |
| 18 | Decision support models for production ramp-up: a systematic literature review. International Journal of Production Research, 2015, 53, 6637-6651.                            | 4.9 | 64        |

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|----|---|-----|-----------|
| 19 | Environmental impact of warehousing: a scenario analysis for the United States. <i>International Journal of Production Research</i> , 2017, 55, 6485-6499.  | 4.9 | 62        |
| 20 | Decision support models for supplier development: Systematic literature review and research agenda. <i>International Journal of Production Economics</i> , 2017, 193, 798-812.  | 5.1 | 54        |
| 21 | An integrated model to improve ergonomic and economic performance in order picking by rotating pallets. <i>European Journal of Operational Research</i> , 2019, 273, 516-534.   | 3.5 | 52        |
| 22 | An integrated storage assignment method for manual order picking warehouses considering cost, workload and posture. <i>International Journal of Production Research</i> , 2019, 57, 2392-2408.                                | 4.9 | 52        |
| 23 | Machine scheduling problems in production: A tertiary study. <i>Computers and Industrial Engineering</i> , 2017, 111, 403-416.  | 3.4 | 50        |
| 24 | The effects of human behavior on the efficiency of routing policies in order picking: The case of route deviations. <i>Computers and Industrial Engineering</i> , 2017, 111, 537-551.   | 3.4 | 49        |
| 25 | Incorporating human factors into decision support models for production and logistics: current state of research. <i>IFAC-PapersOnLine</i> , 2017, 50, 6900-6905.   | 0.5 | 49        |
| 26 | Picker routing and storage-assignment strategies for precedence-constrained order picking. <i>Computers and Industrial Engineering</i> , 2018, 123, 338-347.  | 3.4 | 47        |
| 27 | An investigation of the effects of storage assignment and picker routing on the occurrence of picker blocking in manual picker-to-parts warehouses. <i>International Journal of Logistics Management</i> , 2017, 28, 841-863. | 4.1 | 39        |
| 28 | Towards a conceptualisation of Order Picking 4.0. <i>Computers and Industrial Engineering</i> , 2021, 159, 107511.  | 3.4 | 39        |
| 29 | Maverick picking: the impact of modifications in work schedules on manual order picking processes. <i>International Journal of Production Research</i> , 2017, 55, 6344-6360.   | 4.9 | 38        |
| 30 | Assistive devices for manual materials handling in warehouses: a systematic literature review. <i>International Journal of Production Research</i> , 2021, 59, 3446-3469.   | 4.9 | 34        |
| 31 | The impact of controllable production rates on the performance of inventory systems: A systematic review of the literature. <i>European Journal of Operational Research</i> , 2021, 288, 703-720.                             | 3.5 | 33        |
| 32 | Applying fuzzy multi-objective linear programming to a project management decision with nonlinear fuzzy membership functions. <i>Neural Computing and Applications</i> , 2017, 28, 2193-2206.                                 | 3.2 | 32        |
| 33 | Smart lighting systems: state-of-the-art and potential applications in warehouse order picking. <i>International Journal of Production Research</i> , 2021, 59, 3817-3839.  | 4.9 | 31        |
| 34 | Ergo-lot-sizing: An approach to integrate ergonomic and economic objectives in manual materials handling. <i>International Journal of Production Economics</i> , 2017, 185, 230-239.  | 5.1 | 28        |
| 35 | Human Factors in Order Picking System Design: A Content Analysis. <i>IFAC-PapersOnLine</i> , 2015, 48, 320-325.   | 0.5 | 27        |
| 36 | Using qualitative interviewing to examine human factors in warehouse order picking: technical note. <i>International Journal of Logistics Systems and Management</i> , 2016, 23, 499.   | 0.2 | 27        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | Hybrid order picking: A simulation model of a joint manual and autonomous order picking system. Computers and Industrial Engineering, 2022, 167, 107981.                                   | 3.4 | 24        |
| 38 | Job satisfaction: An explorative study on work characteristics changes of employees in Intralogistics 4.0. Journal of Business Logistics, 2022, 43, 343-367.                               | 7.0 | 22        |
| 39 | Editorial: Human factors in industrial and logistic system design. Computers and Industrial Engineering, 2017, 111, 463-466.   | 3.4 | 21        |
| 40 | Determining the source of human-system errors in manual order picking with respect to human factors. International Journal of Production Research, 2022, 60, 6350-6372.                    | 4.9 | 20        |
| 41 | Reprint of "Decision support models for supplier development: Systematic literature review and research agenda". International Journal of Production Economics, 2017, 194, 246-260.        | 5.1 | 17        |
| 42 | Accuracy evaluation of two markerless motion capture systems for measurement of upper extremities: Kinect V2 and Captiv. Human Factors and Ergonomics in Manufacturing, 2020, 30, 291-302. | 1.4 | 15        |
| 43 | Adjustment for cognitive interference enhances the predictability of the power learning curve. International Journal of Production Economics, 2021, 234, 108045.                           | 5.1 | 12        |
| 44 | Models for an ergonomic evaluation of order picking from different rack layouts. IFAC-PapersOnLine, 2016, 49, 1715-1720.   | 0.5 | 11        |
| 45 | Using smart lighting systems to reduce energy costs in warehouses: A simulation study. International Journal of Logistics Research and Applications, 2023, 26, 77-95.                      | 5.6 | 11        |
| 46 | Ergo-Lot-Sizing: Considering Ergonomics in Lot-Sizing Decisions. IFAC-PapersOnLine, 2015, 48, 326-331.   | 0.5 | 10        |
| 47 | Evaluation of human workload in a hybrid order picking system. IFAC-PapersOnLine, 2021, 54, 458-463.   | 0.5 | 10        |
| 48 | Workforce scheduling incorporating worker skills and ergonomic constraints. Computers and Industrial Engineering, 2022, 168, 108107.   | 3.4 | 10        |
| 49 | The effect of worker fatigue on the performance of a bucket brigade order picking system. IFAC-PapersOnLine, 2019, 52, 2195-2200.  | 0.5 | 8         |
| 50 | Opportunities for using eye tracking technology in manufacturing and logistics: Systematic literature review and research agenda. Computers and Industrial Engineering, 2022, 171, 108444. | 3.4 | 8         |
| 51 | An extension for dynamic lot-sizing heuristics. Production and Manufacturing Research, 2015, 3, 20-35.   | 0.9 | 7         |
| 52 | Celebrating the 10th volume of IJISM: a bibliographic review and outlook. International Journal of Integrated Supply Management, 2017, 11, 332.  | 0.2 | 7         |
| 53 | Editorial: Novel applications of learning curves in production planning and logistics. Computers and Industrial Engineering, 2019, 131, 419-421.   | 3.4 | 6         |
| 54 | Use Cases and Potentials of Smart Lighting Systems in Industrial Settings. IEEE Engineering Management Review, 2019, 47, 101-107.  | 1.0 | 5         |

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|----|---|-----|-----------|
| 55 | Work Characteristics in Logistics 4.0: Conceptualization of a qualitative assessment in order picking. IFAC-PapersOnLine, 2020, 53, 10609-10614.  | 0.5 | 5         |
| 56 | Menschliche Faktoren in der Kommissionierung. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2013, 108, 203-207.  | 0.2 | 4         |
| 57 | On the causes of positive inventory discrepancies in retail stores. International Journal of Physical Distribution and Logistics Management, 2022, 52, 414-430.                         | 4.4 | 4         |
| 58 | Agent-based analysis of picker blocking in manual order picking systems: Effects of routing combinations on throughput time. , 2015, , .  |     | 3         |
| 59 | New solution procedures for the order picker routing problem in U-shaped pick areas with a movable depot. OR Spectrum, 2022, 44, 535-573.   | 2.1 | 3         |
| 60 | Improving processes and ergonomics at air freight handling agents: a case study. International Journal of Logistics Research and Applications, 2023, 26, 399-420.                       | 5.6 | 2         |
| 61 | Lagerplatzvergabe in U-förmigen Kommissionierlagern. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2011, 106, 65-68.   | 0.2 | 2         |
| 62 | Lerneffekte in der Kommissionierung. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2012, 107, 266-269.   | 0.2 | 2         |
| 63 | Reprint of "Ergo-lot-sizing: An approach to integrate ergonomic and economic objectives in manual materials handling". International Journal of Production Economics, 2017, 194, 32-42. | 5.1 | 1         |
| 64 | Mensch-Roboter-Kollaboration in der Kommissionierung. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2021, 116, 372-376.  | 0.2 | 1         |
| 65 | Nutzenpotenziale intelligenter Beleuchtungssysteme für Fabrikbetriebe. Fabriksoftware, 2019, 2019, 21-24.   | 0.2 | 1         |
| 66 | Smart warehouses—a sociotechnical perspective. , 2022, , 47-60.   |     | 1         |
| 67 | Planung von effizienten Kommissionierprozessen mit Excel-Spreadsheets. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2014, 109, 499-503.   | 0.2 | 0         |
| 68 | Verbesserung der Energieeffizienz im Lager durch intelligente Beleuchtungssysteme. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2020, 115, 244-247.                             | 0.2 | 0         |