

Eric H Grosse

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63
papers

2,096
citations

27
h-index

45
g-index

69
ext. papers

2,729
ext. citations

5.2
avg, IF

6.15
L-index

#	Paper	IF	Citations
63	Hybrid order picking: A simulation model of a joint manual and autonomous order picking system. <i>Computers and Industrial Engineering</i> , 2022 , 167, 107981	6.4	8
62	Workforce scheduling incorporating worker skills and ergonomic constraints. <i>Computers and Industrial Engineering</i> , 2022 , 168, 108107	6.4	0
61	Smart warehouses – sociotechnical perspective 2022 , 47-60		1
60	Evaluation of human workload in a hybrid order picking system. <i>IFAC-PapersOnLine</i> , 2021 , 54, 458-463	0.7	3
59	Assistive devices for manual materials handling in warehouses: a systematic literature review. <i>International Journal of Production Research</i> , 2021 , 59, 3446-3469	7.8	15
58	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	7.8	15
57	Adjustment for cognitive interference enhances the predictability of the power learning curve. <i>International Journal of Production Economics</i> , 2021 , 234, 108045	9.3	6
56	Mensch-Roboter-Kollaboration in der Kommissionierung. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , 2021 , 116, 372-376	0.5	
55	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	5.6	12
54	Industry 4.0 and the human factor – A systems framework and analysis methodology for successful development. <i>International Journal of Production Economics</i> , 2021 , 233, 107992	9.3	104
53	Towards a conceptualisation of Order Picking 4.0. <i>Computers and Industrial Engineering</i> , 2021 , 159, 10751614	6.4	10
52	Human factors in production and logistics systems of the future. <i>Annual Reviews in Control</i> , 2020 , 49, 295-305	10.3	71
51	Accuracy evaluation of two markerless motion capture systems for measurement of upper extremities: Kinect V2 and Captiv. <i>Human Factors and Ergonomics in Manufacturing</i> , 2020 , 30, 291-302	1.4	6
50	Verbesserung der Energieeffizienz im Lager durch intelligente Beleuchtungssysteme. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , 2020 , 115, 244-247	0.5	
49	Work Characteristics in Logistics 4.0: Conceptualization of a qualitative assessment in order picking. <i>IFAC-PapersOnLine</i> , 2020 , 53, 10609-10614	0.7	2
48	Order picker routing in warehouses: A systematic literature review. <i>International Journal of Production Economics</i> , 2020 , 224, 107564	9.3	59
47	Logistics 4.0: a systematic review towards a new logistics system. <i>International Journal of Production Research</i> , 2020 , 58, 18-43	7.8	202

46	Green warehousing: Systematic literature review and bibliometric analysis. <i>Journal of Cleaner Production</i> , 2019 , 226, 242-258	10.3	62
45	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	5.6	32
44	. <i>IEEE Engineering Management Review</i> , 2019 , 47, 101-107	3.6	4
43	Logistik 4.0 [Paradigmenwandel als Chance für Menschen und Unternehmen. <i>ZWF Zeitschrift Für Wirtschaftlichen Fabrikbetrieb</i> , 2019 , 114, 658-661	0.5	0
42	The effect of worker fatigue on the performance of a bucket brigade order picking system. <i>IFAC-PapersOnLine</i> , 2019 , 52, 2195-2200	0.7	7
41	Applications of learning curves in production and operations management: A systematic literature review. <i>Computers and Industrial Engineering</i> , 2019 , 131, 422-441	6.4	56
40	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	7.8	30
39	Picker routing and storage-assignment strategies for precedence-constrained order picking. <i>Computers and Industrial Engineering</i> , 2018 , 123, 338-347	6.4	28
38	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	4.8	21
37	Human factors in order picking: a content analysis of the literature. <i>International Journal of Production Research</i> , 2017 , 55, 1260-1276	7.8	122
36	Analysis of economic and ergonomic performance measures of different rack layouts in an order picking warehouse. <i>Computers and Industrial Engineering</i> , 2017 , 111, 527-536	6.4	54
35	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	9.3	23
34	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	6.4	34
33	Machine scheduling problems in production: A tertiary study. <i>Computers and Industrial Engineering</i> , 2017 , 111, 403-416	6.4	36
32	Incorporating human factors into decision support models for production and logistics: current state of research. <i>IFAC-PapersOnLine</i> , 2017 , 50, 6900-6905	0.7	39
31	Celebrating the 10th volume of IJISM: a bibliographic review and outlook. <i>International Journal of Integrated Supply Management</i> , 2017 , 11, 332	3.8	5
30	Decision support models for supplier development: Systematic literature review and research agenda. <i>International Journal of Production Economics</i> , 2017 , 193, 798-812	9.3	41
29	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	4.5	29

28	Reprint of Ergo-lot-sizing: An approach to integrate ergonomic and economic objectives in manual materials handling□ <i>International Journal of Production Economics</i> , 2017 , 194, 32-42	9.3	
27	Reprint of Decision support models for supplier development: Systematic literature review and research agenda□ <i>International Journal of Production Economics</i> , 2017 , 194, 246-260	9.3	13
26	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	7.8	27
25	Environmental impact of warehousing: a scenario analysis for the United States. <i>International Journal of Production Research</i> , 2017 , 55, 6485-6499	7.8	31
24	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	0.7	20
23	Human energy expenditure in order picking storage assignment: A bi-objective method. <i>Computers and Industrial Engineering</i> , 2016 , 94, 147-157	6.4	52
22	Models for an ergonomic evaluation of order picking from different rack layouts. <i>IFAC-PapersOnLine</i> , 2016 , 49, 1715-1720	0.7	9
21	Incorporating human factors in order picking planning models: framework and research opportunities. <i>International Journal of Production Research</i> , 2015 , 53, 695-717	7.8	204
20	Production economics and the learning curve: A meta-analysis. <i>International Journal of Production Economics</i> , 2015 , 170, 401-412	9.3	52
19	Assessing the environmental impact of integrated inventory and warehouse management. <i>International Journal of Production Economics</i> , 2015 , 170, 717-729	9.3	52
18	Decision support models for production ramp-up: a systematic literature review. <i>International Journal of Production Research</i> , 2015 , 53, 6637-6651	7.8	49
17	Agent-based analysis of picker blocking in manual order picking systems: Effects of routing combinations on throughput time 2015 ,		1
16	An extension for dynamic lot-sizing heuristics. <i>Production and Manufacturing Research</i> , 2015 , 3, 20-35	3.3	5
15	Human Factors in Order Picking System Design: A Content Analysis. <i>IFAC-PapersOnLine</i> , 2015 , 48, 320-325.7		16
14	Ergo-Lot-Sizing: Considering Ergonomics in Lot-Sizing Decisions. <i>IFAC-PapersOnLine</i> , 2015 , 48, 326-331	0.7	9
13	The effect of worker learning on manual order picking processes. <i>International Journal of Production Economics</i> , 2015 , 170, 882-890	9.3	69
12	The lot sizing problem: A tertiary study. <i>International Journal of Production Economics</i> , 2014 , 155, 39-51	9.3	123
11	Planung von effizienten Kommissionierprozessen mit Excel-Spreadsheets. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , 2014 , 109, 499-503	0.5	

10	The effect of worker learning and forgetting on storage reassignment decisions in order picking systems. <i>Computers and Industrial Engineering</i> , 2013 , 66, 653-662	6.4	75
9	An experimental investigation of learning effects in order picking systems. <i>Journal of Manufacturing Technology Management</i> , 2013 , 24, 850-872	7.1	54
8	Menschliche Faktoren in der Kommissionierung. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , 2013 , 108, 203-207	0.5	2
7	Storage policies and order picking strategies in U-shaped order-picking systems with a movable base. <i>International Journal of Production Research</i> , 2012 , 50, 4344-4357	7.8	54
6	Lerneffekte in der Kommissionierung. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , 2012 , 107, 266-269	0.5	2
5	Lagerplatzvergabe in U-förmigen Kommissionierlagern. <i>ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb</i> , 2011 , 106, 65-68	0.5	2
4	Determining the source of human-system errors in manual order picking with respect to human factors. <i>International Journal of Production Research</i> , 1-23	7.8	8
3	Using smart lighting systems to reduce energy costs in warehouses: A simulation study. <i>International Journal of Logistics Research and Applications</i> , 1-19	3.8	3
2	Improving processes and ergonomics at air freight handling agents: a case study. <i>International Journal of Logistics Research and Applications</i> , 1-22	3.8	0
1	New solution procedures for the order picker routing problem in U-shaped pick areas with a movable depot. <i>OR Spectrum</i> , 1	1.9	1