

# Matthias Klumpp

## List of Publications by Year in descending order

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Version: 2024-02-01

78  
papers

979  
citations

567281

15  
h-index

501196

28  
g-index

89  
all docs

89  
docs citations

89  
times ranked

756  
citing authors

#	ARTICLE	IF	CITATIONS
1	Humanitarian supply chain performance management: a systematic literature review. <i>Supply Chain Management</i> , 2014, 19, 592-608.	6.4	137
2	Automation and artificial intelligence in business logistics systems: human reactions and collaboration requirements. <i>International Journal of Logistics Research and Applications</i> , 2018, 21, 224-242.	8.8	108
3	Production logistics and human-computer interactionâ€”state-of-the-art, challenges and requirements for the future. <i>International Journal of Advanced Manufacturing Technology</i> , 2019, 105, 3691-3709.	3.0	72
4	The value of fourth-party logistics services in the humanitarian supply chain. <i>Journal of Humanitarian Logistics and Supply Chain Management</i> , 2015, 5, 35-60.	2.8	57
5	Logistics Innovation and Social Sustainability: How to Prevent an Artificial Divide in Humanâ€“Computer Interaction. <i>Journal of Business Logistics</i> , 2019, 40, 265-278.	10.6	55
6	Humanitarian supply chains and performance measurement schemes in practice. <i>International Journal of Productivity and Performance Management</i> , 2015, 64, 784-810.	3.7	51
7	Specific competencies in humanitarian logistics education. <i>Journal of Humanitarian Logistics and Supply Chain Management</i> , 2013, 3, 99-128.	2.8	46
8	To Green or Not to Green: A Political, Economic and Social Analysis for the Past Failure of Green Logistics. <i>Sustainability</i> , 2016, 8, 441.	3.2	22
9	Comparing national policies on institutional profiling in Germany and the Netherlands. <i>Comparative Education</i> , 2014, 50, 156-176.	2.7	19
10	Logistics and Supply Chain Management: Developments and Trends. <i>Lecture Notes in Logistics</i> , 2016, , 1-20.	0.8	19
11	Do Forwarders Improve Sustainability Efficiency? Evidence from a European DEA Malmquist Index Calculation. <i>Sustainability</i> , 2017, 9, 842.	3.2	19
12	Verifying the effects of digitalisation in retail logistics: an efficiency-centred approach. <i>International Journal of Logistics Research and Applications</i> , 2022, 25, 203-227.	8.8	19
13	How to Achieve Supply Chain Sustainability Efficiently? Taming the Triple Bottom Line Split Business Cycle. <i>Sustainability</i> , 2018, 10, 397.	3.2	18
14	Sustainability and Resilience Revisited: Impact of Information Technology Disruptions on Empirical Retail Logistics Efficiency. <i>Sustainability</i> , 2021, 13, 5650.	3.2	18
15	Artificial Intelligence for Hospital Health Care: Application Cases and Answers to Challenges in European Hospitals. <i>Healthcare (Switzerland)</i> , 2021, 9, 961.	2.0	18
16	Strategic partner evaluation criteria for logistics service provider networks. <i>International Journal of Logistics Management</i> , 2019, 30, 438-466.	6.6	16
17	Operations, Logistics and Supply Chain Management: Definitions and Objectives. <i>Lecture Notes in Logistics</i> , 2019, , 27-42.	0.8	16
18	Multi-Period Multi-Criteria Decision Making under Uncertainty: A Renewable Energy Transition Case from Germany. <i>Sustainability</i> , 2021, 13, 6300.	3.2	14

#	ARTICLE	IF	CITATIONS
19	Autonomy and new modes of control in digital work contexts – a mixed-methods study of driving professions in food logistics. <i>Employee Relations</i> , 2022, 44, 890-912.	2.4	13
20	Intelligent and efficient? An empirical analysis of human-AI collaboration for truck drivers in retail logistics. <i>International Journal of Logistics Management</i> , 2021, 32, 1356-1383.	6.6	12
21	Logistics Research and the Logistics World of 2050. <i>Lecture Notes in Logistics</i> , 2013, , 1-6.	0.8	12
22	Order Picking and E-Commerce: Introducing Non-Parametric Efficiency Measurement for Sustainable Retail Logistics. <i>Journal of Theoretical and Applied Electronic Commerce Research</i> , 2021, 16, 846-858.	5.7	11
23	Human-AI collaboration in route planning: An empirical efficiency-based analysis in retail logistics. <i>International Journal of Production Economics</i> , 2021, 241, 108236.	8.9	11
24	COVID-19 health policy evaluation: integrating health and economic perspectives with a data envelopment analysis approach. <i>European Journal of Health Economics</i> , 2022, 23, 1263-1285.	2.8	11
25	Innovation Potentials and Pathways Merging AI, CPS, and IoT. <i>Applied System Innovation</i> , 2018, 1, 5.	4.6	10
26	Artificial Divide: The New Challenge of Human-Artificial Performance in Logistics. , 2017, , 583-593.		10
27	Logistics Work, Ergonomics and Social Sustainability: Empirical Musculoskeletal System Strain Assessment in Retail Intralogistics. <i>Logistics</i> , 2021, 5, 89.	4.3	10
28	Efficiency and Logistics. <i>Lecture Notes in Logistics</i> , 2013, , .	0.8	7
29	German Fachhochschulen: Towards the End of a Success Story?. <i>Higher Education Dynamics</i> , 2008, , 99-122.	0.3	7
30	Smart and efficient: Learning curves in manual and human-robot order picking systems. <i>IFAC-PapersOnLine</i> , 2020, 53, 10255-10260.	0.9	7
31	The Buy-Online-Pick-Up-in-Store Retailing Model: Optimization Strategies for In-Store Picking and Packing. <i>Algorithms</i> , 2021, 14, 350.	2.1	7
32	The Index Number Problem with DEA: Insights from European University Efficiency Data. <i>Education Sciences</i> , 2018, 8, 79.	2.6	6
33	Information and Process Requirements for Electric Mobility in Last-Mile-Logistics. <i>Environmental Science and Engineering</i> , 2014, , 201-208.	0.2	6
34	Towards an Understanding of Hydrogen Supply Chains: A Structured Literature Review Regarding Sustainability Evaluation. <i>Sustainability</i> , 2021, 13, 11652.	3.2	6
35	Public opinion on global distribution of COVID-19 vaccines: Evidence from two nationally representative surveys in Germany and the United States. <i>Vaccine</i> , 2022, 40, 2457-2461.	3.8	6
36	Transfer of the German Vocational Education and Training System – Success Factors and Hindrances with the Example of Tunisia. <i>Education Sciences</i> , 2021, 11, 247.	2.6	5

#	ARTICLE	IF	CITATIONS
37	Optimization Strategies for In-Store Order Picking in Omnichannel Retailing. IFIP Advances in Information and Communication Technology, 2021, , 603-611.	0.7	5
38	Sisyphus Revisited: Efficiency Developments in European Universities 2011â€“2016 According to Ranking and Budget Data. Review of Higher Education, 2019, 43, 169-219.	1.3	4
39	Logistics Qualification: Best-Practice for a Knowledge-Intensive Service Industry. Lecture Notes in Logistics, 2016, , 391-411.	0.8	4
40	QUALIFICATION HURDLES AND CHANCES FOR E-MOBILITY. International Journal for Traffic and Transport Engineering, 2014, 4, 253-268.	0.4	4
41	Artificial intelligence, robotics, and logistics employment: The human factor in digital logistics. Journal of Business Logistics, 2022, 43, 297-301.	10.6	4
42	Long-Term Economic Sustainability of Humanitarian Logisticsâ€”A Multi-Level and Time-Series Data Envelopment Analysis. International Journal of Environmental Research and Public Health, 2021, 18, 2219.	2.6	3
43	DEA Sustainability Evaluation in Automotive Supply Chains. Lecture Notes in Logistics, 2019, , 203-220.	0.8	3
44	Human Role in Digital Logistics: Relevance of Intuition in Interacting with AI. Lecture Notes in Logistics, 2019, , 32-44.	0.8	3
45	Cargo Telematics for Operational Transport Excellence and Strategic Knowledge Management. Lecture Notes in Logistics, 2013, , 71-82.	0.8	3
46	KI zur UnterstÃ¼tzung neuer Arbeitswelten in Produktion, Handel und Logistik. FOM-Edition, 2020, , 155-167.	0.1	3
47	Simulation der Interaktion von Elektrofahrzeugdaten und Navigationsdaten. , 2012, , 599-609.		3
48	Digital University Teaching and Learning in Managementâ€”The Gini from the COVID-19 Bottle and Its Empirical Representations in Germany. Education Sciences, 2021, 11, 728.	2.6	3
49	Learning effects and mental fatigue of forklift operators in food retail logistics: An empirical analysis through the lens of behavioral operations management. IFAC-PapersOnLine, 2021, 54, 19-24.	0.9	3
50	Ant colony optimisation for a 2-stage capacitated vehicle routing problem with probabilistic demand increases. International Journal of Business Innovation and Research, 2016, 11, 5.	0.2	2
51	Logistics Dynamics and Demographic Change. Lecture Notes in Logistics, 2017, , 347-362.	0.8	2
52	Artificial Intelligence Applications. Lecture Notes in Logistics, 2019, , 637-662.	0.8	2
53	Employment effects and efficiency of ports. International Journal of Computer Aided Engineering and Technology, 2020, 12, 480.	0.2	2
54	Digital Supply Chains and the Human Factorâ€”A Structured Synopsis. Lecture Notes in Logistics, 2021, , 1-14.	0.8	2

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55	Sustainability in Humanitarian Logisticsâ€”Why and How?. Lecture Notes in Logistics, 2015, , 3-9.	0.8	2
56	Sustainable Humanitarian Logistics Researchâ€”A Conceptualization. Lecture Notes in Logistics, 2015, , 49-63.	0.8	2
57	COMPREHENSIVE URBAN ROAD TOLL EVALUATION SYSTEM. International Journal for Traffic and Transport Engineering, 2014, 4, 14-34.	0.4	2
58	Efficiency in Higher Education: Requirements, Theory, Methods and Decision Areas. Theory and Method in Higher Education Research, 2015, , 93-118.	0.4	1
59	Crowdsourcing in Logistics: An Evaluation Scheme. Lecture Notes in Logistics, 2017, , 401-411.	0.8	1
60	Green Bullwhip Effect Revisited: How Sustainable Lifestyles Might Influence Supply Chains. , 2019, , 105-114.		1
61	Human Resource and Knowledge Management. Lecture Notes in Logistics, 2019, , 205-229.	0.8	1
62	Economic and Social Advances for Geospatial Data Use in Vehicle Routing. Lecture Notes in Logistics, 2018, , 368-377.	0.8	1
63	Assessment of Cognitive Strain in Digital Logistics Work: Background, Analysis and Implications. Lecture Notes in Logistics, 2020, , 504-515.	0.8	1
64	Performance Management and Disciplinary Efficiency Comparison. , 2015, , 431-448.		0
65	Green Bullwhip Effect Cost Simulation in Distribution Networks. Lecture Notes in Logistics, 2016, , 387-395.	0.8	0
66	Logistics Education and Behavioral Training Decisions, Time Distortion, and the Prae Ante View. Logistics, 2018, 2, 24.	4.3	0
67	Outbound Logistics and Distribution Management. Lecture Notes in Logistics, 2019, , 305-330.	0.8	0
68	Marketing Concepts and Instruments in Supply Chain Management. Lecture Notes in Logistics, 2019, , 97-129.	0.8	0
69	Efficiency Measurement in Digitalized Work Systems of Transport Logistics. Lecture Notes in Logistics, 2021, , 149-180.	0.8	0
70	ProduktionsflexibilitÃ¤t und unternehmerische Orientierung. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2010, 105, 976-979.	0.3	0
71	Potenziale eines GPS-Trackingsystems. ZWF Zeitschrift Fuer Wirtschaftlichen Fabrikbetrieb, 2011, 106, 342-345.	0.3	0
72	Demografie und Urbanisierung in der Logistikwirtschaft. , 2013, , 161-175.		0

#	ARTICLE	IF	CITATIONS
73	Multi-Dimensional Country Evaluation for Global Sourcing Concepts. , 2013, , 87-104.		0
74	Quid pro quo? – Entwicklung des Wirtschaftsverkehrs in BinnenÄfen in AbhÄngigkeit von alternativen FlÄchennutzungskonzepten. , 2013, , 90-109.		0
75	Logistics Implications of Urban Road Pricing. Journal of Traffic and Transportation Engineering, 2014, 2, .	0.1	0
76	Industrie 4.0 und Dienstleistungsproduktion: Fallstudienanalysen aus dem Bereich der Leistungsprozesse in Forschung und Lehre. , 2019, , 339-352.		0
77	Skill-Based Joint Order Batching and Picker Routing Problem. , 2022, , .		0
78	Assessing the duration of intralogistics forklift operations via machine learning. , 2022, , .		0