Christian Stummer

List of Publications by Citations

72 papers	**1,887** citations	**19** h-index	**43** g-index
79 ext. papers	**2,143** ext. citations	**2.3** avg, IF	**4.95** L-index

#	Paper	IF	Citations
72	Agent-based simulation of innovation diffusion: a review. *Central European Journal of Operations Research*, **2012**, 20, 183-230	2.2	282
71	Pareto Ant Colony Optimization: A Metaheuristic Approach to Multiobjective Portfolio Selection. *Annals of Operations Research*, **2004**, 131, 79-99	3.2	281
70	Interactive R&D portfolio analysis with project interdependencies and time profiles of multiple objectives. *IEEE Transactions on Engineering Management*, **2003**, 50, 175-183	2.6	149
69	Research and development project selection and resource allocation: a review of quantitative modelling approaches. *International Journal of Management Reviews*, **1999**, 1, 197-224	6.4	133
68	Pareto ant colony optimization with ILP preprocessing in multiobjective project portfolio selection. *European Journal of Operational Research*, **2006**, 171, 830-841	5.6	116
67	Competence-driven project portfolio selection, scheduling and staff assignment. *Central European Journal of Operations Research*, **2008**, 16, 281-306	2.2	91
66	Multi-objective decision analysis for competence-oriented project portfolio selection. *European Journal of Operational Research*, **2010**, 205, 670-679	5.6	82
65	Determining location and size of medical departments in a hospital network: a multiobjective decision support approach. *Health Care Management Science*, **2004**, 7, 63-71	4	74
64	Innovation diffusion of repeat purchase products in a competitive market: An agent-based simulation approach. *European Journal of Operational Research*, **2015**, 245, 157-167	5.6	67
63	Management science in the era of smart consumer products: challenges and research perspectives. *Central European Journal of Operations Research*, **2017**, 25, 203-230	2.2	46
62	A MULTICRITERIA DECISION SUPPORT SYSTEM FOR COMPETENCE-DRIVEN PROJECT PORTFOLIO SELECTION. *International Journal of Information Technology and Decision Making*, **2009**, 08, 379-401	2.8	43
61	An agent-based simulation approach for the new product diffusion of a novel biomass fuel. *Journal of the Operational Research Society*, **2011**, 62, 12-20	2	42
60	A comparison of representations for discrete multi-criteria decision problems. *Decision Support Systems*, **2013**, 54, 976-985	5.6	40
59	Platform Launch Strategies. *Business and Information Systems Engineering*, **2018**, 60, 167-173	3.8	38
58	New Multiobjective Metaheuristic Solution Procedures for Capital Investment Planning. *Journal of Heuristics*, **2005**, 11, 183-199	1.9	35
57	Portfolio selection under strict uncertainty: A multi-criteria methodology and its application to the Frankfurt and Vienna Stock Exchanges. *European Journal of Operational Research*, **2007**, 181, 1476-1487	5.6	28
56	Interactive Decision Support for Multiobjective COTS Selection **2007**,		27

37	Traditional versus fast fashion supply chains in the apparel industry: an agent-based simulation approach. *Annals of Operations Research*, **2020**, 305, 487	3.2	7
36	Finding partners for complex system innovations through a trans-sectoral ṁatchmaking platformḊ *Technology Analysis and Strategic Management*, **2015**, 27, 334-359	3.2	6
35	Adopting energy flow charts for the economic analysis of process innovations. *Technovation*, **2007**, 27, 693-703	7.9	6
34	Faire Gruppenentscheidungen in der Investitionsplanung. *OR Spectrum*, **2001**, 23, 431-443	1.9	6
33	Is more automation always better An empirical study of customers' willingness to use autonomous vehicle functions. *International Journal of Automotive Technology and Management*, **2020**, 20, 1	1.1	5
32	An agent-based market simulation for enriching innovation management education. *Central European Journal of Operations Research*, **2021**, 29, 143-161	2.2	5
31	Stakes or garlic? Studying the emergence of dominant designs through an agent-based model of a vampire economy. *Central European Journal of Operations Research*, **2018**, 26, 373-394	2.2	4
30	Evolving Secure Information Systems through Attack Simulation **2014**,		4
29	Training on the project: a quantifying approach to competence development. *Knowledge Management Research and Practice*, **2012**, 10, 64-78	2.1	4
28	Game-based Learning in Technology Management Education: A Novel Business Simulation. *International Journal of Emerging Technologies in Learning*, **2011**, 6, 20	1.4	4
27	Multi-channel management: an exploratory study of current practices. *International Journal of Services, Economics and Management*, **2013**, 5, 112	0.4	3
26	Game-based learning in technology management education **2010**,		3
25	Investitionsentscheidungen bei mehrfachen Zielsetzungen und künstliche Ameisen **2002**, 355-362		3
24	How the Traditional Industrial Manufacturer Miele Established a New Smart Home Division. *Research Technology Management*, **2020**, 63, 29-34	1.6	3
23	Selecting security control portfolios: a multi-objective simulation-optimization approach. *EURO Journal on Decision Processes*, **2016**, 4, 85-117	1.1	3
22	An Experimental Comparison of Two Interactive Visualization Methods for Multicriteria Portfolio Selection. *Profiles in Operations Research*, **2011**, 187-209	1	3
21	Cross-Over Between Scenario Analysis and Agent-Based Market Simulation for Technology Planning **2017**,		2
20	**2013**,		2

19	Disruptive ICT Service Technologies: Recent Developments and Practical Implications for Strategic Management **2011**,		2
18	A Networked Ubiquitous Computing Environment for Damage Prevention: A Decision Support Framework for the Insurance Sector **2009**,		2
17	Simulating the Diffusion of Competing Multi-generation Technologies: An Agent-Based Model and Its Application to the Consumer Computer Market in Germany. *Operations Research Proceedings: Papers of the Annual Meeting = Vorträge Der Jahrestagung / DGOR*, **2018**, 569-574	0.1	2
16	Competence-driven project portfolio selection, scheduling and staff assignment **2008**, 16, 281		2
15	Agent-based modeling of new product market diffusion: an overview of strengths and criticisms. *Annals of Operations Research*, **2021**, 305, 425-447	3.2	2
14	Akademische Patente und ihre Auswirkungen auf Forschung, Lehre und Administration an Universitäten. *Management Review Quarterly*, **2015**, 65, 35-68	2.6	1
13	Zur Modellierung mehrfacher Zielsetzungen bei der F&E-Projektauswahl **2003**, 287-309		1
12	Agentenbasierte Marktsimulation ein Spezialwerkzeug. *Intelligente Technische Systeme, Lo sungen Aus Dem Spitzencluster It's OWL*, **2018**, 125-142	0.1	1
11	A Spatial Simulation Model For The Diffusion Of A Novel Biofuel On The Austrian Market **2010**,		1
10	Preface: The modeling and simulation of complex systems. *Annals of Operations Research*, **2021**, 305, 423-424	3.2	1
9	Beaming market simulation to the future by combining agent-based modeling with scenario analysis. *Journal of Business Economics*, **2021**, 91, 1469	2.3	0
8	Der Einfluss der Produktintelligenz auf den Konsumentennutzen und die Produktnutzung. *Schmalenbachs Zeitschrift Fur Betriebswirtschaftliche Forschung*, **2018**, 70, 315-349	0.2	
7	Interaktive Portfolioauswahl im IT-Servicemanagement. *Hmd*, **2008**, 45, 48-55	0.7	
6	Go Big or Go Home? Simulating the Effect of Publishing Adopter Numbers for Two-Sided Platforms. *Springer Proceedings in Complexity*, **2020**, 195-199	0.3	
5	Cooperation Between Performance and Innovation Engine: An Exploratory Study of Digital Innovation Labs in Family Business. *Lecture Notes in Computer Science*, **2020**, 249-259	0.9	
4	From Web Analytics to Product Analytics: The Internet of Things as a New Data Source for Enterprise Information Systems. *Lecture Notes in Business Information Processing*, **2016**, 145-155	0.6	
3	Die Balanced Scorecard im Innovationsmanagement. *Business + Innovation*, **2011**, 2, 31-39		
2	Die Balanced Scorecard (BSC) im Innovationsmanagement **2013**, 471-484		

1   Business Information Through Choice-Based Conjoint Analysis: The Case of Electric Vehicle Home Charging. *Studies in Systems, Decision and Control*, **2021**, 357-379   0.8

1   Business Information Through Choice-Based Conjoint Analysis: The Case of Electric Vehicle Home Charging. *Studies in Systems, Decision and Control*, **2021**, 357-379   0.8