

# Christopher W Zobel

## List of Publications by Year in descending order

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Version: 2024-02-01

61  
papers

2,204  
citations

279778

23  
h-index

233409

45  
g-index

64  
all docs

64  
docs citations

64  
times ranked

1879  
citing authors

#	ARTICLE	IF	CITATIONS
1	Representing perceived tradeoffs in defining disaster resilience. <i>Decision Support Systems</i> , 2011, 50, 394-403.	5.9	252
2	Characterizing multi-event disaster resilience. <i>Computers and Operations Research</i> , 2014, 42, 83-94.	4.0	169
3	Supply chain risk and resilience: theory building through structured experiments and simulation. <i>International Journal of Production Research</i> , 2018, 56, 4337-4355.	7.5	146
4	Exploring supply chain network resilience in the presence of the ripple effect. <i>International Journal of Production Economics</i> , 2020, 228, 107693.	8.9	145
5	Static and dynamic metrics of economic resilience for interdependent infrastructure and industry sectors. <i>Reliability Engineering and System Safety</i> , 2014, 125, 92-102.	8.9	115
6	A two-stage procurement model for humanitarian relief supply chains. <i>Journal of Humanitarian Logistics and Supply Chain Management</i> , 2011, 1, 151-169.	2.8	113
7	Network characteristics and supply chain resilience under conditions of risk propagation. <i>International Journal of Production Economics</i> , 2020, 223, 107529.	8.9	101
8	An optimization model for regional renewable energy development. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 4606-4615.	16.4	86
9	An optimization model for volunteer assignments in humanitarian organizations. <i>Socio-Economic Planning Sciences</i> , 2012, 46, 250-260.	5.0	77
10	Defining resilience analytics for interdependent cyber-physical-social networks. <i>Sustainable and Resilient Infrastructure</i> , 2017, 2, 59-67.	2.8	61
11	Quantifying Cyberinfrastructure Resilience against Multi-Event Attacks. <i>Decision Sciences</i> , 2012, 43, 687-710.	4.5	54
12	Social vulnerability and equity perspectives on interdependent infrastructure network component importance. <i>Sustainable Cities and Society</i> , 2020, 57, 102072.	10.4	46
13	Creating a Taxonomy for Mobile Commerce Innovations Using Social Network and Cluster Analyses. <i>International Journal of Electronic Commerce</i> , 2012, 16, 19-52.	3.0	43
14	Spatial analysis of renewable energy potential in the greater southern Appalachian mountains. <i>Renewable Energy</i> , 2011, 36, 2785-2798.	8.9	42
15	Assessing the extended impacts of supply chain disruptions on firms: An empirical study. <i>International Journal of Production Economics</i> , 2021, 231, 107862.	8.9	40
16	Allocating Resources to Enhance Resilience, with Application to Superstorm Sandy and an Electric Utility. <i>Risk Analysis</i> , 2016, 36, 847-862.	2.7	39
17	Utilization of neural networks for the recognition of variance shifts in correlated manufacturing process parameters. <i>International Journal of Production Research</i> , 2001, 39, 3881-3887.	7.5	36
18	Quantitatively Representing Nonlinear Disaster Recovery. <i>Decision Sciences</i> , 2014, 45, 1053-1082.	4.5	36

#	ARTICLE	IF	CITATIONS
19	Economic impact of production bottlenecks caused by disasters impacting interdependent industry sectors. <i>International Journal of Production Economics</i> , 2015, 168, 71-80.	8.9	35
20	Evaluation of neural network variable influence measures for process control. <i>Engineering Applications of Artificial Intelligence</i> , 2011, 24, 803-812.	8.1	34
21	Stakeholder ranking of watershed goals with the vector analytic hierarchy process: Effects of participant grouping scenarios. <i>Environmental Modelling and Software</i> , 2010, 25, 1459-1469.	4.5	31
22	A Risk-Based Approach to Improving Disaster Relief Asset Pre-Positioning. <i>Production and Operations Management</i> , 2019, 28, 457-478.	3.8	31
23	An applied approach to multi-criteria humanitarian supply chain planning for pandemic response. <i>Journal of Humanitarian Logistics and Supply Chain Management</i> , 2021, 11, 320-346.	2.8	30
24	An augmented neural network classification approach to detecting mean shifts in correlated manufacturing process parameters. <i>International Journal of Production Research</i> , 2004, 42, 741-758.	7.5	25
25	Neural network-based simulation metamodels for predicting probability distributions. <i>Computers and Industrial Engineering</i> , 2008, 54, 879-888.	6.3	24
26	Making sense of transient responses in simulation studies. <i>International Journal of Production Research</i> , 2014, 52, 617-632.	7.5	21
27	Analytically comparing disaster resilience across multiple dimensions. <i>Socio-Economic Planning Sciences</i> , 2020, 69, 100678.	5.0	19
28	Sourcing Decisions under Conditions of Risk and Resilience: A Behavioral Study. <i>Decision Sciences</i> , 2020, 51, 985-1014.	4.5	18
29	Establishing a frame of reference for measuring disaster resilience. <i>Decision Support Systems</i> , 2021, 140, 113406.	5.9	18
30	The role of public policy in optimizing renewable energy development in the greater southern Appalachian mountains. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 3690-3702.	16.4	17
31	Building an Interdisciplinary Team for Disaster Response Research: A Data-Driven Approach. <i>Risk Analysis</i> , 2021, 41, 1145-1151.	2.7	17
32	Emergency department resilience to disaster-level overcrowding: A component resilience framework for analysis and predictive modeling. <i>Journal of Operations Management</i> , 2020, 66, 54-66.	5.2	17
33	A multi-agent system for supporting the electronic contracting of food grains. <i>Computers and Electronics in Agriculture</i> , 2005, 48, 123-137.	7.7	16
34	Community DECISIONS: Stakeholder focused watershed planning. <i>Journal of Environmental Management</i> , 2012, 112, 226-232.	7.8	16
35	Assessing Innovations in Cloud Security. <i>Journal of Computer Information Systems</i> , 2014, 54, 45-56.	2.9	16
36	Investigation of Material Convergence in the September 2013 Colorado Floods. <i>Natural Hazards Review</i> , 2016, 17, .	1.5	15

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37	Value of supply disruption information and information accuracy. <i>Journal of Purchasing and Supply Management</i> , 2017, 23, 191-201.	5.7	15
38	The Ordered Cutting Stock Problem. <i>Decision Sciences</i> , 2004, 35, 83-100.	4.5	14
39	Environmental statistical process control using an augmented neural network classification approach. <i>European Journal of Operational Research</i> , 2006, 174, 1631-1642.	5.7	14
40	Visualization of multivariate data with radial plots using SAS. <i>Computers and Industrial Engineering</i> , 2001, 41, 17-35.	6.3	13
41	Helping a Small Development Organization Manage Volunteers More Efficiently. <i>Interfaces</i> , 2011, 41, 254-262.	1.5	13
42	Organizational Resilience to Disruption Risks: Developing Metrics and Testing Effectiveness of Operational Strategies. <i>Risk Analysis</i> , 2022, 42, 561-579.	2.7	12
43	The roles of prior experience and the location on the severity of supply chain disruptions. <i>International Journal of Production Research</i> , 2022, 60, 5051-5070.	7.5	11
44	Creating offshore-ready it professionals: A global perspective and strong collaborative skills are needed. <i>Journal of Labor Research</i> , 2006, 27, 275-290.	0.7	10
45	An empirical study of policy convergence in Markov decision process value iteration. <i>Computers and Operations Research</i> , 2005, 32, 127-142.	4.0	9
46	Decision support for long-range, community-based planning to mitigate against and recover from potential multiple disasters. <i>Decision Support Systems</i> , 2016, 87, 13-25.	5.9	9
47	Embracing human noise as resilience indicator: twitter as power grid correlate. <i>Sustainable and Resilient Infrastructure</i> , 2017, 2, 169-178.	2.8	9
48	Critical Time, Space, and Decision-Making Agent Considerations in Human-Centered Interdisciplinary Hurricane-Related Research. <i>Risk Analysis</i> , 2021, 41, 1218-1226.	2.7	8
49	Data-Driven Classification Using Boundary Observations. <i>Decision Sciences</i> , 2006, 37, 247-262.	4.5	7
50	A Simple Approach to Implementing and Training Neural Networks in Excel. <i>Decision Sciences Journal of Innovative Education</i> , 2010, 8, 143-149.	0.8	7
51	Optimal Investment in Prevention and Recovery for Mitigating Epidemic Risks. <i>Risk Analysis</i> , 2021, , .	2.7	7
52	Automated merging of conflicting knowledge bases, using a consistent, majority-rule approach with knowledge-form maintenance. <i>Computers and Operations Research</i> , 2005, 32, 1809-1829.	4.0	6
53	Collaborative Emergency Supply Chains for Essential Goods and Services. <i>Urban Book Series</i> , 2018, , 145-168.	0.6	6
54	A multi-attribute supply chain network resilience assessment framework based on SNA-inspired indicators. <i>Operational Research</i> , 2022, 22, 1853-1883.	2.0	6

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55	Soil Improvement for Mitigation of Damage During the 1999 Kocaeli Earthquake. Journal of Earthquake Engineering, 2008, 12, 211-221.	2.5	5
56	Humanitarian Research and Managing Humanitarian Operations. Profiles in Operations Research, 2016, , 1-7.	0.4	5
57	Recursive voids for identifying a nonconvex boundary of a set of points in the plane. Pattern Recognition, 2013, 46, 3288-3299.	8.1	4
58	Disaster risk management for critical infrastructure: a services-based viewpoint. International Journal of Services Sciences, 2009, 2, 189.	0.0	3
59	An Approach for Quantifying the Multidimensional Nature of Disaster Resilience in the Context of Municipal Service Provision. Urban Book Series, 2018, , 239-259.	0.6	3
60	Analyzing Economic Indicators of Disaster Resilience Following Hurricane Katrina. International Journal of Business Analytics, 2014, 1, 67-83.	0.4	2
61	Determining a warm-up period for a telephone network routing simulation. , 1999, , .		1