Christopher W Zobel

List of Publications by Year
in descending order

61	2,204	279798 23	233421 45
papers	citations	h-index	g-index

64	64	64	1879
all docs	docs citations	times ranked	citing authors

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

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

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