

Igor Linkov

List of Publications by Year in descending order

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Version: 2024-02-01

365
papers

13,784
citations

24809

57
h-index

31652

102
g-index

374
all docs

374
docs citations

374
times ranked

14547
citing authors

#	ARTICLE	IF	CITATIONS
1	Edge Computing as an Enabler of Energy and Water System Resilience. IEEE Engineering Management Review, 2024, 52, 28-42.	1.5	0
2	Are civilizations destined to collapse? Lessons from the Mediterranean Bronze Age. Global Environmental Change, 2024, 84, 102792.	8.2	1
3	Risk Analysis of Artificial Intelligence in Medicine with a Multilayer Concept of System Order. Systems, 2024, 12, 47.	2.3	1
4	Access to Emergency Services: A New York City Case Study. Transportation Research Interdisciplinary Perspectives, 2024, 25, 101111.	2.8	0
5	Explainable Artificial Intelligence for Resilient Security Applications in the Internet of Things. IEEE Open Journal of the Communications Society, 2024, , 1-1.	7.4	0
6	Predictive Resilience Modeling Using Statistical Regression Methods. Mathematics, 2024, 12, 2380.	2.3	0
7	Russian Cyber Onslaught Was Blunted by Ukrainian Cyber Resilience, Not Merely Security. Computer, 2024, 57, 82-89.	1.5	0
8	Resilient Construction of Critical Infrastructure: Anticipating and Measuring Supply Chain Delays from Global Disruptions. Journal of Infrastructure Systems, 2024, 30, .	1.9	0
9	An Explainable Deep Learning Framework for Resilient Intrusion Detection in IoT-Enabled Transportation Networks. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 1000-1014.	8.4	38
10	Finding shortest and nearly shortest path nodes in large substantially incomplete networks by hyperbolic mapping. Nature Communications, 2023, 14, .	13.2	4
11	Diploid and tetraploid genomes of Acorus and the evolution of monocots. Nature Communications, 2023, 14, .	13.2	10
12	Prioritization of Resilience Initiatives for Climate-Related Disasters in the Metropolitan City of Venice. Risk Analysis, 2022, 42, 931-952.	2.8	10
13	The importance of compounding threats to hurricane evacuation modeling. Npj Urban Sustainability, 2022, 2, .	8.0	3
14	Assessment of the COVID-19 infection risk at a workplace through stochastic microexposure modeling. Journal of Exposure Science and Environmental Epidemiology, 2022, 32, 712-719.	4.1	10
15	Digital technologies can enhance climate resilience of critical infrastructure. Climate Risk Management, 2022, 35, 100387.	3.4	89
16	Resilience-by-Design and Resilience-by-Intervention in supply chains for remote and indigenous communities. Nature Communications, 2022, 13, 1124.	13.2	14
17	Vaccine supply chain: Resilience-by-design and resilience-by-intervention. Vaccine, 2022, 40, 1695-1698.	4.0	12
18	International airports as agents of resilience. Journal of Contingencies and Crisis Management, 2022, 30, 217-221.	2.7	4

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19	Diversity and inclusiveness are necessary components of resilient international teams. <i>Humanities and Social Sciences Communications</i> , 2022, 9, .	3.1	6
20	Mainstreaming resilience analytics: 10 years after the Fukushima disaster. <i>Integrated Environmental Assessment and Management</i> , 2022, 18, 1551-1554.	3.2	4
21	Evaluation of individual and ensemble probabilistic forecasts of COVID-19 mortality in the United States. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2113561119.	7.6	172
22	Systemic resilience in economics. <i>Nature Physics</i> , 2022, 18, 381-384.	11.8	35
23	Resilience of Cyber-Physical Systems: Role of AI, Digital Twins, and Edge Computing. <i>IEEE Engineering Management Review</i> , 2022, 50, 195-203.	1.5	9
24	A Unified Model of Resilience and Aging: Applications to COVID-19. <i>Frontiers in Public Health</i> , 2022, 10, .	2.8	9
25	Disjunctures of Practice and the Problems of Collapse. <i>Risk, Systems and Decisions</i> , 2022, , 75-108.	0.0	4
26	Defining and analyzing health system resilience in rural jurisdictions. <i>Environment Systems and Decisions</i> , 2022, 42, 362-371.	3.3	6
27	Resilience stress testing for critical infrastructure. <i>International Journal of Disaster Risk Reduction</i> , 2022, 82, 103323.	4.0	19
28	Use and Misuse of MCDA to Support Decision Making Informed by Risk. <i>Risk Analysis</i> , 2021, 41, 1513-1521.	2.8	5
29	The Need to Reconcile Concepts that Characterize Systems Facing Threats. <i>Risk Analysis</i> , 2021, 41, 3-15.	2.8	54
30	Complexity, Interconnectedness and Resilience: Why a Paradigm Shift in Economics is Needed to Deal with Covid 19 and Future Shocks. <i>Risk, Systems and Decisions</i> , 2021, , 61-73.	0.0	6
31	Why Did Risk Communication Fail for the COVID-19 Pandemic, and How Can We Do Better?. <i>Risk, Systems and Decisions</i> , 2021, , 195-211.	0.0	0
32	Synthetic Biology Brings New Challenges to Managing Biosecurity and Biosafety. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2021, , 117-129.	0.0	1
33	Value-Based Optimization of Healthcare Resource Allocation for COVID-19 Hot Spots. <i>Risk, Systems and Decisions</i> , 2021, , 103-114.	0.0	4
34	System models for resilience in gerontology: application to the COVID-19 pandemic. <i>BMC Geriatrics</i> , 2021, 21, 51.	2.8	23
35	The Vaccine Supply Chain: A Call for Resilience Analytics to Support COVID-19 Vaccine Production and Distribution. <i>Risk, Systems and Decisions</i> , 2021, , 389-437.	0.0	22
36	To Improve Cyber Resilience, Measure It. <i>Computer</i> , 2021, 54, 80-85.	1.5	34

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37	Advanced analytics for environmental resilience and a sustainable future. Environment Systems and Decisions, 2021, 41, 1-2.	3.3	4
38	Enhancing Resilience in Post-COVID Societies: By Design or By Intervention?. Environmental Science & Technology, 2021, 55, 4202-4204.	10.5	24
39	Comparing the Emergence of Technical and Social Sciences Research in Artificial Intelligence. Frontiers in Computer Science, 2021, 3, .	2.9	10
40	A performance-based tabular approach for joint systematic improvement of risk control and resilience applied to telecommunication grid, gas network, and ultrasound localization system. Environment Systems and Decisions, 2021, 41, 286.	3.3	9
41	Algorithms and models for decision making in advanced technology systems. Environment Systems and Decisions, 2021, 41, 179-180.	3.3	0
42	Supply chain resilience for vaccines: review of modeling approaches in the context of the COVID-19 pandemic. Industrial Management and Data Systems, 2021, 121, 1723-1748.	3.9	46
43	Bridging international approaches on nanoEHS. Nature Nanotechnology, 2021, 16, 608-611.	30.5	6
44	How to Measure Cyber-Resilience of a System With Autonomous Agents: Approaches and Challenges. IEEE Engineering Management Review, 2021, 49, 89-97.	1.5	25
45	Resilience learning through self adaptation in digital twins of human-cyber-physical systems. , 2021, , .		9
46	Can Comorbidity Data Explain Cross-State and Cross-National Difference in COVID-19 Death Rates?. Risk Management and Healthcare Policy, 2021, Volume 14, 2877-2885.	2.5	5
47	Integrating data from physical and social science to address emerging societal challenges. Environment Systems and Decisions, 2021, 41, 331-333.	3.3	0
48	The challenges of data usage for the United Statesâ€™ COVID-19 response. International Journal of Information Management, 2021, 59, 102352.	18.5	32
49	Emergent technologies, divergent frames: differences in regulator vs. developer views on innovation. European Journal of Futures Research, 2021, 9, .	2.8	3
50	Cyber Resilience: by Design or by Intervention?. Computer, 2021, 54, 112-117.	1.5	13
51	Autonomous Cyberdefense Introduces Risk: Can We Manage the Risk?. Computer, 2021, 54, 106-110.	1.5	8
52	Recovery-based design of buildings for seismic resilience. International Journal of Disaster Risk Reduction, 2021, 65, 102556.	4.0	7
53	Biosecurity for Synthetic Biology and Emerging Biotechnologies: Critical Challenges for Governance. NATO Science for Peace and Security Series C: Environmental Security, 2021, , 1-12.	0.0	1
54	Decision making to address complexity in systems and organizations. Environment Systems and Decisions, 2021, 41, 485-486.	3.3	0

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55	Building resilience will require compromise on efficiency. <i>Nature Energy</i> , 2021, 6, 997-999.	29.7	22
56	Resilience and efficiency for the nanotechnology supply chains underpinning COVID-19 vaccine development. <i>Current Opinion in Chemical Engineering</i> , 2021, 34, 100759.	8.0	8
57	Relationship among state reopening policies, health outcomes and economic recovery through first wave of the COVID-19 pandemic in the U.S.. <i>PLoS ONE</i> , 2021, 16, e0260015.	2.5	6
58	Resilience: Directions for an Uncertain Future Following the COVID-19 Pandemic. <i>GeoHealth</i> , 2021, 5, e2021GH000447.	4.1	15
59	Exploring the Convergence of Resilience Processes and Sustainable Outcomes in Post-COVID, Post-Glasgow Economies. <i>Sustainability</i> , 2021, 13, 13415.	3.3	8
60	Multicriteria Decision Framework for Cybersecurity Risk Assessment and Management. <i>Risk Analysis</i> , 2020, 40, 183-199.	2.8	93
61	Advances on a Decision Analytic Approach to Exposure-Based Chemical Prioritization. <i>Risk Analysis</i> , 2020, 40, 83-96.	2.8	23
62	A resilience matrix approach for measuring and mitigating disaster-induced population displacement. <i>International Journal of Disaster Risk Reduction</i> , 2020, 42, 101310.	4.0	26
63	Resilience for Smart Water Systems. <i>Journal of Water Resources Planning and Management - ASCE</i> , 2020, 146, .	3.0	25
64	Cybertrust: From Explainable to Actionable and Interpretable Artificial Intelligence. <i>Computer</i> , 2020, 53, 91-96.	1.5	29
65	Safety-by-design as a governance problem. <i>Nano Today</i> , 2020, 35, 100989.	12.3	17
66	Analytics and decision-making to inform public policy in response to diverse threats. <i>Environment Systems and Decisions</i> , 2020, 40, 463-464.	3.3	0
67	Indicators and Metrics of Emerging Country-Level STEM Innovation. <i>IEEE Engineering Management Review</i> , 2020, 48, 47-53.	1.5	3
68	Risk Governance of Emerging Technologies Demonstrated in Terms of its Applicability to Nanomaterials. <i>Small</i> , 2020, 16, e2003303.	11.2	30
69	Resilience and projects: An interdisciplinary crossroad. <i>Project Leadership and Society</i> , 2020, 1, 100001.	4.1	42
70	The case for value chain resilience. <i>Management Research Review</i> , 2020, 43, .	2.9	23
71	Resilient Financial Systems Can Soften the Next Global Financial Crisis. <i>Challenge</i> , 2020, 63, 311-318.	0.4	6
72	Concurrent threats and disasters: modeling and managing risk and resilience. <i>Environment Systems and Decisions</i> , 2020, 40, 299-300.	3.3	6

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73	Signals and Metrics Identifying Partnerships for Innovation. IEEE Engineering Management Review, 2020, 48, 39-46.	1.5	1
74	Trends and applications of resilience analytics in supply chain modeling: systematic literature review in the context of the COVID-19 pandemic. Environment Systems and Decisions, 2020, 40, 222-243.	3.3	323
75	Modeling and Analytics to Support Emerging International Innovation Partnerships. IEEE Engineering Management Review, 2020, 48, 54-64.	1.5	1
76	An Analytical Perspective on Pandemic Recovery. Health Security, 2020, 18, 250-256.	1.9	12
77	Evaluating Resilience Co-benefits of Engineering With Nature® Projects. Frontiers in Ecology and Evolution, 2020, 8, .	2.3	6
78	Governance for the Internet of Things. , 2020, , 371-381.		2
79	Biosecurity Demands Resilience. Environmental Science & Technology, 2020, 54, 4706-4708.	10.5	10
80	Lack of resilience in transportation networks: Economic implications. Transportation Research, Part D: Transport and Environment, 2020, 86, 102419.	6.9	57
81	Risk and resilience in the time of the COVID-19 crisis. Environment Systems and Decisions, 2020, 40, 171-173.	3.3	50
82	Bouncing forward: a resilience approach to dealing with COVID-19 and future systemic shocks. Environment Systems and Decisions, 2020, 40, 174-184.	3.3	178
83	Workshop Report: Governance of Emerging Nanotechnology Risks in the Semiconductor Industry. Frontiers in Public Health, 2020, 8, 275.	2.8	2
84	Interdisciplinary mathematical methods for societal decision-making and resilience. Environment Systems and Decisions, 2020, 40, 1-2.	3.3	1
85	Identifying New Partnerships for Innovation: Governance and Policy Challenges. IEEE Engineering Management Review, 2020, 48, 26-38.	1.5	2
86	A Solution-Focused Comparative Risk Assessment of Conventional and Emerging Synthetic Biology Technologies for Fuel Ethanol. Risk, Systems and Decisions, 2020, , 223-255.	0.0	1
87	Science and Practice of Resilience: Disaster Systems Applications to Aging Resilience. Risk, Systems and Decisions, 2020, , 53-80.	0.0	5
88	Combine resilience and efficiency in post-COVID societies. Nature, 2020, 588, 220-220.	36.2	16
89	Building biosecurity for synthetic biology. Molecular Systems Biology, 2020, 16, e9723.	7.5	27
90	Synthetic Biology: Research Needs for Assessing Environmental Impacts. Risk, Systems and Decisions, 2020, , 19-50.	0.0	1

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91	Synthetic Biology: Perspectives on Risk Analysis, Governance, Communication, and ELSI. Risk, Systems and Decisions, 2020, , 1-18.	0.0	1
92	A systems approach for resources management during the COVID-19 pandemic: Multi-agency perspectives from New England. Journal of Emergency Management, 2020, 18, 209-223.	0.4	0
93	Fundamental Concepts of Cyber Resilience: Introduction and Overview. , 2019, , 1-25.		64
94	Rulemaking for Insider Threat Mitigation. , 2019, , 265-286.		8
95	Modeling and analytics to address national and global scale challenges. Environment Systems and Decisions, 2019, 39, 1-2.	3.3	1
96	Managing evidence in food safety and nutrition. EFSA Journal, 2019, 17, e170704.	1.8	8
97	Advances in machine learning and decision making. Environment Systems and Decisions, 2019, 39, 247-248.	3.3	0
98	A quantitative risk assessment method for synthetic biology products in the environment. Science of the Total Environment, 2019, 696, 133940.	8.2	11
99	Assessing the Sustainability of Advanced Materials Using Multicriteria Decision Analysis and the Triple Bottom Line. Integrated Environmental Assessment and Management, 2019, 15, 1021-1028.	3.2	3
100	Value of information analysis for assessing risks and benefits of nanotechnology innovation. Environmental Sciences Europe, 2019, 31, .	5.7	5
101	Cyber Resilience in IoT Network: Methodology and Example of Assessment through Epidemic Spreading Approach. , 2019, , .		7
102	Defining, measuring, and enhancing resilience for small groups. Safety Science, 2019, 120, 603-616.	5.0	32
103	Applying Resilience to Hybrid Threats. IEEE Security and Privacy, 2019, 17, 78-83.	1.7	9
104	Resilience as Function of Space and Time. Risk, Systems and Decisions, 2019, , 9-34.	0.0	3
105	A framework and pilot tool for the risk-based prioritization and grouping of nano-enabled consumer products. Environmental Science: Nano, 2019, 6, 356-365.	4.2	8
106	Resilience Quantification and Assessment. Risk, Systems and Decisions, 2019, , 81-101.	0.0	2
107	Applications of Network Science and Systems Thinking. Risk, Systems and Decisions, 2019, , 167-179.	0.0	3
108	Sustainable Environmental Remediation Using NZVI by Managing Benefit-Risk Trade-Offs. , 2019, , 511-562.		3

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109	Risk Governance of Nanomaterials: Review of Criteria and Tools for Risk Communication, Evaluation, and Mitigation. <i>Nanomaterials</i> , 2019, 9, 696.	4.2	33
110	A Definition and Categorization System for Advanced Materials: The Foundation for Risk-Informed Environmental Health and Safety Testing. <i>Risk Analysis</i> , 2019, 39, 1783-1795.	2.8	33
111	Superelastic Hard Carbon Nanofiber Aerogels. <i>Advanced Materials</i> , 2019, 31, e1900651.	24.3	163
112	Panarchy: Thinking in Systems and Networks. <i>Risk, Systems and Decisions</i> , 2019, , 35-44.	0.0	3
113	Resilience in Intelligent Transportation Systems (ITS). <i>Transportation Research Part C: Emerging Technologies</i> , 2019, 100, 318-329.	7.7	112
114	Co-evolution of physical and social sciences in synthetic biology. <i>Critical Reviews in Biotechnology</i> , 2019, 39, 351-365.	9.4	28
115	Resilience and Governance. <i>Risk, Systems and Decisions</i> , 2019, , 59-79.	0.0	3
116	Sex Robots—A Harbinger for Emerging AI Risk. <i>Frontiers in Artificial Intelligence</i> , 2019, 2, 27.	3.6	12
117	Innovation of risk analytics for technology and society. <i>Environment Systems and Decisions</i> , 2019, 39, 369-370.	3.3	0
118	Editorial featured papers on environmental decisions. <i>EURO Journal on Decision Processes</i> , 2019, 7, 151-157.	2.7	1
119	Quantifying and mapping resilience within large organizations. <i>Omega</i> , 2019, 87, 117-126.	6.1	47
120	Defining resilience for the US building industry. <i>Building Research and Information</i> , 2019, 47, 480-492.	3.9	32
121	A modular approach for assembly of quantitative adverse outcome pathways. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2019, 36, 353-362.	1.3	16
122	Supply Chains. , 2019, , 447-462.		4
123	The State of Practice. <i>Risk, Systems and Decisions</i> , 2019, , 105-124.	0.0	0
124	Metrics-Based Approaches. <i>Risk, Systems and Decisions</i> , 2019, , 125-165.	0.0	0
125	Resilience Matrix for Comprehensive Urban Resilience Planning. <i>Lecture Notes in Energy</i> , 2018, , 29-47.	0.0	19
126	Nanotoxicology and nanomedicine: making development decisions in an evolving governance environment. <i>Journal of Nanoparticle Research</i> , 2018, 20, 1.	2.0	26

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127	Resilience, sustainability, and complexity in social, environmental, and technical systems. <i>Environment Systems and Decisions</i> , 2018, 38, 1-2.	3.3	5
128	Tiered Approach to Resilience Assessment. <i>Risk Analysis</i> , 2018, 38, 1772-1780.	2.8	109
129	Resilience management during large-scale epidemic outbreaks. <i>Scientific Reports</i> , 2018, 8, 1859.	3.4	69
130	Stability of a giant connected component in a complex network. <i>Physical Review E</i> , 2018, 97, 012309.	2.1	44
131	Multi-criteria decision analysis framework for sustainable manufacturing in automotive industry. <i>Journal of Cleaner Production</i> , 2018, 187, 257-272.	9.5	106
132	A decision analytic model to guide early-stage government regulatory action: Applications for synthetic biology. <i>Regulation and Governance</i> , 2018, 12, 88-100.	2.9	34
133	Resilience and sustainability: Similarities and differences in environmental management applications. <i>Science of the Total Environment</i> , 2018, 613-614, 1275-1283.	8.2	342
134	Decision making for independent municipal action. <i>Integrated Environmental Assessment and Management</i> , 2018, 14, 194-197.	3.2	1
135	The Essential Elements of a Risk Governance Framework for Current and Future Nanotechnologies. <i>Risk Analysis</i> , 2018, 38, 1321-1331.	2.8	29
136	Community-Driven Hypothesis Testing: A Solution for the Tragedy of the Anticommons. <i>Risk Analysis</i> , 2018, 38, 620-634.	2.8	34
137	Network Foundation for Command and Control (C2) Systems: Literature Review. <i>IEEE Access</i> , 2018, 6, 68782-68794.	4.4	16
138	Enhancing resilience within and between critical infrastructure systems. <i>Environment Systems and Decisions</i> , 2018, 38, 275-277.	3.3	10
139	Resilience at OECD: Current State and Future Directions. <i>IEEE Engineering Management Review</i> , 2018, 46, 128-135.	1.5	10
140	A sustainable Arctic: Making hard decisions. <i>Arctic, Antarctic, and Alpine Research</i> , 2018, 50, .	1.2	28
141	Development of community of practice to support quantitative risk assessment for synthetic biology products: contaminant bioremediation and invasive carp control as cases. <i>Environment Systems and Decisions</i> , 2018, 38, 517-527.	3.3	17
142	Governing the Use of Blockchain and Distributed Ledger Technologies: Not One-Size-Fits-All. <i>IEEE Engineering Management Review</i> , 2018, 46, 56-62.	1.5	30
143	Systems modeling techniques for data analysis, decision making, and risk governance. <i>Environment Systems and Decisions</i> , 2018, 38, 431-432.	3.3	0
144	Engineering meets institutions: an interdisciplinary approach to the management of resilience. <i>Environment Systems and Decisions</i> , 2018, 38, 306-317.	3.3	37

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145	Nanotechnology Risk Management. , 2018, , 195-224.		1
146	Cryptocurrency: governance for what was meant to be ungovernable. Environment Systems and Decisions, 2018, 38, 426-430.	3.3	19
147	An introduction to Environment Systems and Decisionsâ€™™ Special Issue on Emerging Technologies. Environment Systems and Decisions, 2018, 38, 161-162.	3.3	2
148	Value of information analysis for life cycle assessment: Uncertain emissions in the green manufacturing of electronic tablets. Journal of Cleaner Production, 2018, 197, 1540-1545.	9.5	7
149	Governance Strategies for a Sustainable Digital World. Sustainability, 2018, 10, 440.	3.3	119
150	Comparative, collaborative, and integrative risk governance for emerging technologies. Environment Systems and Decisions, 2018, 38, 170-176.	3.3	83
151	Risk associated with engineered nanomaterials: Different tools for different ways to govern. Nano Today, 2018, 21, 9-13.	12.3	36
152	Selecting sustainable alternatives for cruise ships in Venice using multi-criteria decision analysis. Science of the Total Environment, 2018, 642, 668-678.	8.2	37
153	A critical juncture for synthetic biology. EMBO Reports, 2018, 19, .	5.1	26
154	Risk and resilience must be independently managed. Nature, 2018, 555, 30-30.	36.2	43
155	Features of resilience. Environment Systems and Decisions, 2017, 37, 46-50.	3.3	65
156	Quantitative weight of evidence to assess confidence in potential modes of action. Regulatory Toxicology and Pharmacology, 2017, 86, 205-220.	2.8	57
157	A portfolio decision analysis approach to support energy research and development resource allocation. Energy Policy, 2017, 105, 128-135.	8.8	11
158	Environmental policy recommendations for the new US President. Integrated Environmental Assessment and Management, 2017, 13, 7-7.	3.2	3
159	Trends and applications of multi-criteria decision analysis in environmental sciences: literature review. Environment Systems and Decisions, 2017, 37, 123-133.	3.3	138
160	Can You Be Smart and Resilient at the Same Time?. Environmental Science & Technology, 2017, 51, 5867-5868.	10.5	11
161	Trends and applications of multi-criteria decision analysis: use in government agencies. Environment Systems and Decisions, 2017, 37, 134-143.	3.3	40
162	Why Life Cycle Assessment Does Not Work for Synthetic Biology. Environmental Science & Technology, 2017, 51, 5861-5862.	10.5	22

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163	Inspiration to operation: Securing net benefits vs. zero outcome. Journal of Cleaner Production, 2017, 148, 422-426.	9.5	1
164	Multi-criteria decision analysis applied to harmful algal bloom management: A case study. Integrated Environmental Assessment and Management, 2017, 13, 631-639.	3.2	10
165	Resilience of Cyber Systems with Over- and Underregulation. Risk Analysis, 2017, 37, 1644-1651.	2.8	47
166	Science of Mental Modeling. , 2017, , 31-40.		1
167	Adaptive Management for Climate Change. , 2017, , 57-67.		0
168	Risk Assessment and Decision Analysis Within Surgical Applications. , 2017, , 7-17.		1
169	Integrate life-cycle assessment and risk analysis results, not methods. Nature Nanotechnology, 2017, 12, 740-743.	30.5	69
170	An Introduction to Resilience for Critical Infrastructures. NATO Science for Peace and Security Series C: Environmental Security, 2017, , 3-17.	0.0	12
171	Towards a Generic Resilience Management, Quantification and Development Process: General Definitions, Requirements, Methods, Techniques and Measures, and Case Studies. NATO Science for Peace and Security Series C: Environmental Security, 2017, , 21-80.	0.0	35
172	Global perspectives and case studies of environmental management and policy. Environment Systems and Decisions, 2017, 37, 379.	3.3	1
173	Comparing mental models of prospective users of the sustainable nanotechnology decision support system. Environment Systems and Decisions, 2017, 37, 465.	3.3	10
174	Campaign to governance: science, engineering, and policy innovation for America's top infrastructure projects. Environment Systems and Decisions, 2017, 37, 42-45.	3.3	1
175	Preview of the June issue featuring literature reviews of MCDA and articles authored by students. Environment Systems and Decisions, 2017, 37, 121-122.	3.3	0
176	Decision support for selection of food waste technologies at military installations. Journal of Cleaner Production, 2017, 141, 267-277.	9.5	12
177	Validating Resilience and Vulnerability Indices in the Context of Natural Disasters. Risk Analysis, 2017, 37, 982-1004.	2.8	231
178	Development of an evidence-based decision pathway for vestibular schwannoma treatment options. American Journal of Otolaryngology - Head and Neck Medicine and Surgery, 2017, 38, 57-64.	1.4	11
179	Resilience Analytics with Application to Power Grid of a Developing Region. Risk Analysis, 2017, 37, 1268-1286.	2.8	47
180	Selection of invasive wild pig countermeasures using multicriteria decision analysis. Science of the Total Environment, 2017, 574, 1164-1173.	8.2	3

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181	Undue concentration of research and education: multi-criteria decision approach to assess jurisdiction eligibility for NSF funding. <i>Environment Systems and Decisions</i> , 2017, 37, 367-378.	3.3	1
182	Resilience and efficiency in transportation networks. <i>Science Advances</i> , 2017, 3, e1701079.	10.9	260
183	Advances in life cycle analysis, econometrics, optimization, R&D policy, and health decision making. <i>Environment Systems and Decisions</i> , 2017, 37, 241-242.	3.3	1
184	Advancing Alternative Analysis: Integration of Decision Science. <i>Environmental Health Perspectives</i> , 2017, 125, 066001.	8.2	29
185	Resilience and Fault Tolerance in Electrical Engineering. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2017, , 427-447.	0.0	4
186	Flood Risk Management. , 2017, , 43-56.		1
187	An Introduction to Mental Modeling. , 2017, , 1-9.		0
188	Relating Mandates in the United States for Managing the Ocean to Ecosystem Goods and Services Demonstrates Broad but Varied Coverage. <i>Frontiers in Marine Science</i> , 2016, 3, .	2.5	6
189	Avoiding Decline: Fostering Resilience and Sustainability in Midsize Cities. <i>Sustainability</i> , 2016, 8, 844.	3.3	16
190	Traceability and Risk Analysis Strategies for Addressing Counterfeit Electronics in Supply Chains for Complex Systems. <i>Risk Analysis</i> , 2016, 36, 1834-1843.	2.8	49
191	Impacts of rising air temperatures on electric transmission ampacity and peak electricity load in the United States. <i>Environmental Research Letters</i> , 2016, 11, 114008.	5.3	112
192	Operational resilience: concepts, design and analysis. <i>Scientific Reports</i> , 2016, 6, 19540.	3.4	200
193	Sustainable nanotechnology decision support system: bridging risk management, sustainable innovation and risk governance. <i>Journal of Nanoparticle Research</i> , 2016, 18, 1.	2.0	52
194	Multi-criteria risk management with the use of DecernsMCDA: methods and case studies. <i>Environment Systems and Decisions</i> , 2016, 36, 266-276.	3.3	25
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