Igor Linkov

List of Publications by Year in descending order

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365	13,784	24809	31652
papers	citations	57 h-index	102 g-index

374	374	374	14547
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multi-criteria decision analysis in environmental sciences: Ten years of applications and trends. Science of the Total Environment, 2011, 409, 3578-3594.	8.2	985
2	Application of Multicriteria Decision Analysis in Environmental Decision Making. Integrated Environmental Assessment and Management, 2005, 1, 95.	3.2	726
3	Changing the resilience paradigm. Nature Climate Change, 2014, 4, 407-409.	14.3	515
4	Resilience and sustainability: Similarities and differences in environmental management applications. Science of the Total Environment, 2018, 613-614, 1275-1283.	8.2	342
5	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
6	Resilience and efficiency in transportation networks. Science Advances, 2017, 3, e1701079.	10.9	260
7	Weight-of-evidence evaluation in environmental assessment: Review of qualitative and quantitative approaches. Science of the Total Environment, 2009, 407, 5199-5205.	8.2	233
8	Validating Resilience and Vulnerability Indices in the Context of Natural Disasters. Risk Analysis, 2017, 37, 982-1004.	2.8	231
9	Metrics for energy resilience. Energy Policy, 2014, 72, 249-256.	8.8	212
10	Resilience metrics for cyber systems. Environment Systems and Decisions, 2013, 33, 471-476.	3.3	210
11	Increasing Scientific Confidence in Adverse Outcome Pathways: Application of Tailored Bradford-Hill Considerations for Evaluating Weight of Evidence. Regulatory Toxicology and Pharmacology, 2015, 72, 514-537.	2.8	206
12	Operational resilience: concepts, design and analysis. Scientific Reports, 2016, 6, 19540.	3.4	200
13	Risk-based classification system of nanomaterials. Journal of Nanoparticle Research, 2009, 11, 757-766.	2.0	180
14	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
15	Evaluation of individual and ensemble probabilistic forecasts of COVID-19 mortality in the United States. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2113561119.	7.6	172
16	Superelastic Hard Carbon Nanofiber Aerogels. Advanced Materials, 2019, 31, e1900651.	24.3	163
17	Nanotoxicology and nanomedicine: making hard decisions. Nanomedicine: Nanotechnology, Biology, and Medicine, 2008, 4, 167-171.	3.5	161
18	Multi-criteria decision analysis and environmental risk assessment for nanomaterials. Journal of Nanoparticle Research, 2007, 9, 543-554.	2.0	153

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19	Trends and applications of multi-criteria decision analysis in environmental sciences: literature review. Environment Systems and Decisions, 2017, 37, 123-133.	3.3	138
20	Coupling Multi-Criteria Decision Analysis, Life-Cycle Assessment, and Risk Assessment for Emerging Threats. Environmental Science & Technology, 2011, 45, 5068-5074.	10.5	125
21	Governance Strategies for a Sustainable Digital World. Sustainability, 2018, 10, 440.	3.3	119
22	Measurable Resilience for Actionable Policy. Environmental Science & Technology, 2013, 47, 130903081548008.	10.5	114
23	Impacts of rising air temperatures on electric transmission ampacity and peak electricity load in the United States. Environmental Research Letters, 2016, 11, 114008.	5.3	112
24	Resilience in Intelligent Transportation Systems (ITS). Transportation Research Part C: Emerging Technologies, 2019, 100, 318-329.	7.7	112
25	Tiered Approach to Resilience Assessment. Risk Analysis, 2018, 38, 1772-1780.	2.8	109
26	Illustrating Anticipatory Life Cycle Assessment for Emerging Photovoltaic Technologies. Environmental Science & Technology, 2014, 48, 10531-10538.	10.5	107
27	Multi-criteria decision analysis framework for sustainable manufacturing in automotive industry. Journal of Cleaner Production, 2018, 187, 257-272.	9.5	106
28	Value of information analysis: the state of application. Environment Systems and Decisions, 2014, 34, 3-23.	3.3	105
29	A decision-directed approach for prioritizing research into the impact of nanomaterials on the environment and human health. Nature Nanotechnology, 2011, 6, 784-787.	30.5	102
30	A matrix approach to community resilience assessment: an illustrative case at Rockaway Peninsula. Environment Systems and Decisions, 2015, 35, 209-218.	3.3	102
31	Multi-Criteria Decision Analysis. , 0, , .		101
32	Environmental risk analysis for nanomaterials: Review and evaluation of frameworks. Nanotoxicology, 2012, 6, 196-212.	3.0	97
33	Use of Life Cycle Assessments To Evaluate the Environmental Footprint of Contaminated Sediment Remediation. Environmental Science & Technology, 2011, 45, 4235-4241.	10.5	96
34	Predicted spatio-temporal dynamics of radiocesium deposited onto forests following the Fukushima nuclear accident. Scientific Reports, 2013, 3, 2564.	3.4	95
35	Multicriteria Decision Framework for Cybersecurity Risk Assessment and Management. Risk Analysis, 2020, 40, 183-199.	2.8	93
36	Systems engineering framework for cyber physical security and resilience. Environment Systems and Decisions, 2015, 35, 291-300.	3.3	91

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37	Digital technologies can enhance climate resilience of critical infrastructure. Climate Risk Management, 2022, 35, 100387.	3.4	89
38	A weight of evidence approach for hazard screening of engineered nanomaterials. Nanotoxicology, 2014, 8, 72-87.	3.0	84
39	Comparative, collaborative, and integrative risk governance for emerging technologies. Environment Systems and Decisions, 2018, 38, 170-176.	3.3	83
40	Scenario and multiple criteria decision analysis for energy and environmental security of military and industrial installations. Integrated Environmental Assessment and Management, 2011, 7, 228-236.	3.2	80
41	Integration of Decision Analysis and Scenario Planning for Coastal Engineering and Climate Change. IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, 2011, 41, 63-73.	3.2	77
42	Application of Multicriteria Decision Analysis Tools to Two Contaminated Sediment Case Studies. Integrated Environmental Assessment and Management, 2007, 3, 223.	3.2	74
43	Emerging methods and tools for environmental risk assessment, decision-making, and policy for nanomaterials: summary of NATO Advanced Research Workshop. Journal of Nanoparticle Research, 2009, 11, 513-527.	2.0	74
44	Risk-Based Management of Contaminated Sediments:Â Consideration of Spatial and Temporal Patterns in Exposure Modeling. Environmental Science & Technology, 2002, 36, 238-246.	10.5	73
45	Model Uncertainty and Choices Made by Modelers: Lessons Learned from the International Atomic Energy Agency Model Intercomparisonsâ€. Risk Analysis, 2003, 23, 1297-1308.	2.8	73
46	Primary and secondary neural networks of auditory prepulse inhibition: a functional magnetic resonance imaging study of sensorimotor gating of the human acoustic startle response. European Journal of Neuroscience, 2007, 26, 2327-2333.	3.5	72
47	Benchmarking agency and organizational practices in resilience decision making. Environment Systems and Decisions, 2015, 35, 185-195.	3.3	71
48	Prioritizing Infrastructure Investments in Afghanistan with Multiagency Stakeholders and Deep Uncertainty of Emergent Conditions. Journal of Infrastructure Systems, 2012, 18, 155-166.	1.9	70
49	Cognitive Mapping Tools: Review and Risk Management Needs. Risk Analysis, 2012, 32, 1333-1348.	2.8	70
50	Risk-based standards: integrating topâ€“down and bottomâ€“up approaches. Environment Systems and Decisions, 2014, 34, 134-137.	3.3	70
51	Emergent conditions and multiple criteria analysis in infrastructure prioritization for developing countries. Journal of Multi-Criteria Decision Analysis, 2009, 16, 125-137.	1.9	69
52	Integrate life-cycle assessment and risk analysis results, not methods. Nature Nanotechnology, 2017, 12, 740-743.	30.5	69
53	Resilience management during large-scale epidemic outbreaks. Scientific Reports, 2018, 8, 1859.	3.4	69
54	The impact of seaâ€level rise on<scp>S</scp>nowy<scp>P</scp>lovers in<scp>F</scp>lorida: integrating geomorphological, habitat, and metapopulation models. Global Change Biology, 2011, 17, 3644-3654.	9.7	68

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55	Use of Multicriteria Decision Analysis to Support Weight of Evidence Evaluation. Risk Analysis, 2011, 31, 1211-1225.	2.8	65
56	Features of resilience. Environment Systems and Decisions, 2017, 37, 46-50.	3.3	65
57	Fundamental Concepts of Cyber Resilience: Introduction and Overview. , 2019, , 1-25.		64
58	A risk-informed decision framework for setting environmental windows for dredging projects. Science of the Total Environment, 2008, 403, 1-11.	8.2	60
59	Sustainable nanotechnology: Defining, measuring and teaching. Nano Today, 2014, 9, 6-9.	12.3	59
60	Coupling Multicriteria Decision Analysis and Life Cycle Assessment for Nanomaterials. Journal of Industrial Ecology, 2008, 12, 282-285.	5.7	57
61	Quantitative weight of evidence to assess confidence in potential modes of action. Regulatory Toxicology and Pharmacology, 2017, 86, 205-220.	2.8	57
62	Lack of resilience in transportation networks: Economic implications. Transportation Research, Part D: Transport and Environment, 2020, 86, 102419.	6.9	57
63	LICARA nanoSCAN - A tool for the self-assessment of benefits and risks of nanoproducts. Environment International, 2016, 91, 150-160.	10.1	56
64	The Need to Reconcile Concepts that Characterize Systems Facing Threats. Risk Analysis, 2021, 41, 3-15.	2.8	54
65	Cybersecurity Standards: Managing Risk and Creating Resilience. Computer, 2014, 47, 70-76.	1.5	53
66	Emerging Technologies for Environmental Remediation: Integrating Data and Judgment. Environmental Science & Technology, 2016, 50, 349-358.	10.5	53
67	Sustainable nanotechnology decision support system: bridging risk management, sustainable innovation and risk governance. Journal of Nanoparticle Research, 2016, 18, 1.	2.0	52
68	From â€œweight of evidenceâ€•to quantitative data integration using multicriteria decision analysis and Bayesian methods. ALTEX: Alternatives To Animal Experimentation, 2015, 32, 3-8.	1.3	52
69	Life cycle assessment for dredged sediment placement strategies. Science of the Total Environment, 2015, 511, 309-318.	8.2	50
70	Risk and resilience in the time of the COVID-19 crisis. Environment Systems and Decisions, 2020, 40, 171-173.	3.3	50
71	Flood Risk Management: US Army Corps of Engineers and Layperson Perceptions. Risk Analysis, 2012, 32, 1349-1368.	2.8	49
72	Risk management is not enough: a conceptual model for resilience and adaptation-based vulnerability assessments. Environment Systems and Decisions, 2015, 35, 219-228.	3.3	49

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73	Traceability and Risk Analysis Strategies for Addressing Counterfeit Electronics in Supply Chains for Complex Systems. Risk Analysis, 2016, 36, 1834-1843.	2.8	49
74	Use of Stochastic Multi-Criteria Decision Analysis to Support Sustainable Management of Contaminated Sediments. Environmental Science & Technology, 2012, 46, 1326-1334.	10.5	48
75	Resilience of Cyber Systems with Overâ€•and Underregulation. Risk Analysis, 2017, 37, 1644-1651.	2.8	47
76	Resilience Analytics with Application to Power Grid of a Developing Region. Risk Analysis, 2017, 37, 1268-1286.	2.8	47
77	Quantifying and mapping resilience within large organizations. Omega, 2019, 87, 117-126.	6.1	47
78	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
79	A weight of evidence assessment approach for adverse outcome pathways. Regulatory Toxicology and Pharmacology, 2016, 75, 46-57.	2.8	44
80	Stability of a giant connected component in a complex network. Physical Review E, 2018, 97, 012309.	2.1	44
81	Emissions of metals and polychlorinated dibenzo(p)dioxins and furans (PCDD/Fs) from Portland cement manufacturing plants: Inter-kiln variability and dependence on fuel-types. Science of the Total Environment, 2011, 409, 4198-4205.	8.2	43
82	Risk and resilience must be independently managed. Nature, 2018, 555, 30-30.	36.2	43
83	Uncertainty in Octanolâ^'Water Partition Coefficient:Â Implications for Risk Assessment and Remedial Costs. Environmental Science & Technology, 2005, 39, 6917-6922.	10.5	42
84	From optimization to adaptation: Shifting paradigms in environmental management and their application to remedial decisions. Integrated Environmental Assessment and Management, 2006, 2, 92-98.	3.2	42
85	Prioritization of sediment management alternatives using stochastic multicriteria acceptability analysis. Science of the Total Environment, 2010, 408, 4354-4367.	8.2	42
86	Application of Stochastic Multiattribute Analysis to Assessment of Single Walled Carbon Nanotube Synthesis Processes. Environmental Science & Technology, 2010, 44, 8704-8711.	10.5	42
87	Resilience and projects: An interdisciplinary crossroad. Project Leadership and Society, 2020, 1, 100001.	4.1	42
88	Polychlorinated dibenzo(p)dioxin and furan (PCDD/F) congener profiles in cement kiln emissions and impacts. Science of the Total Environment, 2012, 419, 37-43.	8.2	41
89	Trends and applications of multi-criteria decision analysis: use in government agencies. Environment Systems and Decisions, 2017, 37, 134-143.	3.3	40
90	For nanotechnology decisions, use decision analysis. Nano Today, 2013, 8, 5-10.	12.3	39

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91	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
92	Siteâ€Specific Applications of Probabilistic Health Risk Assessment: Review of the Literature Since 2000. Risk Analysis, 2007, 27, 635-658.	2.8	37
93	Scenario analysis: a review of methods and applications for engineering and environmental systems. Environment Systems and Decisions, 2013, 33, 3-20.	3.3	37
94	Engineering meets institutions: an interdisciplinary approach to the management of resilience. Environment Systems and Decisions, 2018, 38, 306-317.	3.3	37
95	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
96	Climate change scenarios: risk and impact analysis for Alaska coastal infrastructure. International Journal of Risk Assessment and Management, 2011, 15, 258.	0.2	36
97	A Decision Analytic Approach to Exposure-Based Chemical Prioritization. PLoS ONE, 2013, 8, e70911.	2.5	36
98	Review of decision analytic tools for sustainable nanotechnology. Environment Systems and Decisions, 2015, 35, 29-41.	3.3	36
99	Risk associated with engineered nanomaterials: Different tools for different ways to govern. Nano Today, 2018, 21, 9-13.	12.3	36
100	Risk-Based and Prevention-Based Governance for Emerging Materials. Environmental Science & Technology, 2016, 50, 6822-6824.	10.5	35
101	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
102	Systemic resilience in economics. Nature Physics, 2022, 18, 381-384.	11.8	35
103	A decision analytic model to guide earlyâ€stage government regulatory action: Applications for synthetic biology. Regulation and Governance, 2018, 12, 88-100.	2.9	34
104	Communityâ€Driven Hypothesis Testing: A Solution for the Tragedy of the Anticommons. Risk Analysis, 2018, 38, 620-634.	2.8	34
105	To Improve Cyber Resilience, Measure It. Computer, 2021, 54, 80-85.	1.5	34
106	Benefits and Risks of Emerging Technologies: Integrating Life Cycle Assessment and Decision Analysis To Assess Lumber Treatment Alternatives. Environmental Science & Technology, 2014, 48, 11543-11550.	10.5	33
107	Risk Governance of Nanomaterials: Review of Criteria and Tools for Risk Communication, Evaluation, and Mitigation. Nanomaterials, 2019, 9, 696.	4.2	33
108	A Definition and Categorization System for Advanced Materials: The Foundation for Riskâ€Informed Environmental Health and Safety Testing. Risk Analysis, 2019, 39, 1783-1795.	2.8	33

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109	Uncertainty and variability in risk from trophic transfer of contaminants in dredged sediments. Science of the Total Environment, 2001, 274, 255-269.	8.2	32
110	Epistemic uncertainty in predicting shorebird biogeography affected by sea-level rise. Ecological Modelling, 2012, 240, 1-15.	2.5	32
111	Defining, measuring, and enhancing resilience for small groups. Safety Science, 2019, 120, 603-616.	5.0	32
112	Defining resilience for the US building industry. Building Research and Information, 2019, 47, 480-492.	3.9	32
113	The challenges of data usage for the United Statesâ€™ COVID-19 response. International Journal of Information Management, 2021, 59, 102352.	18.5	32
114	Research and Development Priorities for Energy Islanding of Military and Industrial Installations. Journal of Infrastructure Systems, 2013, 19, 297-305.	1.9	31
115	Enhanced Adaptive Management: Integrating Decision Analysis, Scenario Analysis and Environmental Modeling for the Everglades. Scientific Reports, 2013, 3, 2922.	3.4	31
116	Use of multi-criteria decision analysis in regulatory alternatives analysis: A case study of lead free solder. Integrated Environmental Assessment and Management, 2013, 9, 652-664.	3.2	30
117	The challenges of nanotechnology risk management. Nano Today, 2015, 10, 6-10.	12.3	30
118	Governing the Use of Blockchain and Distributed Ledger Technologies: Not One-Size-Fits-All. IEEE Engineering Management Review, 2018, 46, 56-62.	1.5	30
119	Risk Governance of Emerging Technologies Demonstrated in Terms of its Applicability to Nanomaterials. Small, 2020, 16, e2003303.	11.2	30
120	Risk and resilience lessons from Venice. Environment Systems and Decisions, 2014, 34, 378-382.	3.3	29
121	Advancing Alternative Analysis: Integration of Decision Science. Environmental Health Perspectives, 2017, 125, 066001.	8.2	29
122	The Essential Elements of a Risk Governance Framework for Current and Future Nanotechnologies. Risk Analysis, 2018, 38, 1321-1331.	2.8	29
123	Cybertrust: From Explainable to Actionable and Interpretable Artificial Intelligence. Computer, 2020, 53, 91-96.	1.5	29
124	A sustainable Arctic: Making hard decisions. Arctic, Antarctic, and Alpine Research, 2018, 50, .	1.2	28
125	Co-evolution of physical and social sciences in synthetic biology. Critical Reviews in Biotechnology, 2019, 39, 351-365.	9.4	28
126	Do Tropical Cyclones Shape Shorebird Habitat Patterns? Biogeoclimatology of Snowy Plovers in Florida. PLoS ONE, 2011, 6, e15683.	2.5	27

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127	Building biosecurity for synthetic biology. Molecular Systems Biology, 2020, 16, e9723.	7.5	27
128	Using Our Brains to Develop Better Policy. Risk Analysis, 2012, 32, 374-380.	2.8	26
129	Nanotoxicology and nanomedicine: making development decisions in an evolving governance environment. Journal of Nanoparticle Research, 2018, 20, 1.	2.0	26
130	A critical juncture for synthetic biology. EMBO Reports, 2018, 19, .	5.1	26
131	A resilience matrix approach for measuring and mitigating disaster-induced population displacement. International Journal of Disaster Risk Reduction, 2020, 42, 101310.	4.0	26
132	Stakeholder engagement in dredged material management decisions. Science of the Total Environment, 2014, 496, 248-256.	8.2	25
133	Multi-criteria risk management with the use of DecernsMCDA: methods and case studies. Environment Systems and Decisions, 2016, 36, 266-276.	3.3	25
134	Resilience for Smart Water Systems. Journal of Water Resources Planning and Management - ASCE, 2020, 146, .	3.0	25
135	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
136	Importance of Uncertainty and Variability to Predicted Risks from Trophic Transfer of PCBs in Dredged Sediments. Risk Analysis, 2002, 22, 499-512.	2.8	24
137	Use of multicriteria involvement processes to enhance transparency and stakeholder participation at Bergen Harbor, Norway. Integrated Environmental Assessment and Management, 2011, 7, 414-425.	3.2	24
138	A game theoretic model for resource allocation among countermeasures with multiple attributes. European Journal of Operational Research, 2016, 252, 610-622.	5.9	24
139	Enhancing Resilience in Post-COVID Societies: By Design or By Intervention?. Environmental Science & Technology, 2021, 55, 4202-4204.	10.5	24
140	The use of spatial modeling in an aquatic food web to estimate exposure and risk. Science of the Total Environment, 2002, 288, 97-110.	8.2	23
141	Advances on a Decision Analytic Approach to Exposureâ€Based Chemical Prioritization. Risk Analysis, 2020, 40, 83-96.	2.8	23
142	The case for value chain resilience. Management Research Review, 2020, 43, .	2.9	23
143	System models for resilience in gerontology: application to the COVID-19 pandemic. BMC Geriatrics, 2021, 21, 51.	2.8	23
144	Anticarcinogenic Responses in Rodent Cancer Bioassays Are Not Explained by Random Effects. Toxicological Sciences, 1998, 43, 1-9.	3.1	22

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145	Flood Protection Diversification to Reduce Probabilities of Extreme Losses. Risk Analysis, 2012, 32, 1873-1887.	2.8	22
146	Environment models and decisions. Environment Systems and Decisions, 2014, 34, 369-372.	3.3	22
147	Panarchy use in environmental science for risk and resilience planning. Environment Systems and Decisions, 2016, 36, 225-228.	3.3	22
148	Why Life Cycle Assessment Does Not Work for Synthetic Biology. Environmental Science & Technology, 2017, 51, 5861-5862.	10.5	22
149	The Vaccine Supply Chain: A Call for Resilience Analytics to Support COVID-19 Vaccine Production and Distribution. Risk, Systems and Decisions, 2021, , 389-437.	0.0	22
150	Multi-Criteria Decision Analysis. , 0, , .		22
151	Building resilience will require compromise on efficiency. Nature Energy, 2021, 6, 997-999.	29.7	22
152	Balancing research and funding using value of information and portfolio tools for nanomaterial risk classification. Nature Nanotechnology, 2016, 11, 198-203.	30.5	21
153	Remedial Policies in Radiologically-Contaminated Forests: Environmental Consequences and Risk Assessment. Risk Analysis, 1997, 17, 67-75.	2.8	20
154	Civilian Response Corps Force Review: The Application of Multiâ€Criteria Decision Analysis to Prioritize Skills Required for Future Diplomatic Missions. Journal of Multi-Criteria Decision Analysis, 2012, 19, 155-168.	1.9	19
155	Multiscale approach to the security of hardware supply chains for energy systems. Environment Systems and Decisions, 2013, 33, 326-334.	3.3	19
156	Resilience Matrix for Comprehensive Urban Resilience Planning. Lecture Notes in Energy, 2018, , 29-47.	0.0	19
157	Cryptocurrency: governance for what was meant to be ungovernable. Environment Systems and Decisions, 2018, 38, 426-430.	3.3	19
158	Resilience stress testing for critical infrastructure. International Journal of Disaster Risk Reduction, 2022, 82, 103323.	4.0	19
159	A Semi-Quantitative Risk Assessment Standard for Counterfeit Electronics Detection. SAE International Journal of Aerospace, 2014, 7, 171-181.	5.0	18
160	The Value of Information for Managing Contaminated Sediments. Environmental Science & Technology, 2014, 48, 9478-9485.	10.5	18
161	Integrating Legal Liabilities in Nanomanufacturing Risk Management. Environmental Science & Technology, 2012, 46, 7955-7962.	10.5	17
162	Development of community of practice to support quantitative risk assessment for synthetic biology products: contaminant bioremediation and invasive carp control as cases. Environment Systems and Decisions, 2018, 38, 517-527.	3.3	17

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163	Safety-by-design as a governance problem. Nano Today, 2020, 35, 100989.	12.3	17
164	Typological review of environmental performance metrics (with illustrative examples for oil spill) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 70	3.2	16
165	Avoiding Decline: Fostering Resilience and Sustainability in Midsize Cities. Sustainability, 2016, 8, 844.	3.3	16
166	Network Foundation for Command and Control (C2) Systems: Literature Review. IEEE Access, 2018, 6, 68782-68794.	4.4	16
167	Combine resilience and efficiency in post-COVID societies. Nature, 2020, 588, 220-220.	36.2	16
168	A modular approach for assembly of quantitative adverse outcome pathways. ALTEX: Alternatives To Animal Experimentation, 2019, 36, 353-362.	1.3	16
169	Shorebird patches as fingerprints of fractal coastline fluctuations due to climate change. Ecological Processes, 2012, 1, .	4.0	15
170	Decision framework for evaluating the macroeconomic risks and policy impacts of cyber attacks. Environment Systems and Decisions, 2013, 33, 544-560.	3.3	15
171	Can Carbon Nanomaterials Improve CZTS Photovoltaic Devices? Evaluation of Performance and Impacts Using Integrated Lifeâ€Cycle Assessment and Decision Analysis. Risk Analysis, 2016, 36, 1916-1935.	2.8	15
172	Resilience: Directions for an Uncertain Future Following the COVIDâ€19 Pandemic. GeoHealth, 2021, 5, e2021GH000447.	4.1	15
173	Weight of Evidence: What Is the State of the Science?. Risk Analysis, 2006, 26, 573-575.	2.8	14
174	Multiple-criteria decision-aiding framework to analyze and assess the governance of sustainability. Environment Systems and Decisions, 2013, 33, 305-321.	3.3	14
175	A decision-analytic approach to predict state regulation of hydraulic fracturing. Environmental Sciences Europe, 2014, 26, 20.	5.7	14
176	Security Metrics in Industrial Control Systems. Advances in Information Security, 2016, , 167-185.	0.0	14
177	Resilience-by-Design and Resilience-by-Intervention in supply chains for remote and indigenous communities. Nature Communications, 2022, 13, 1124.	13.2	14
178	Spatially explicit exposure models: application to military sites. Toxicology and Industrial Health, 2001, 17, 230-235.	1.4	13
179	Predicting physical properties of emerging compounds with limited physical and chemical data: QSAR model uncertainty and applicability to military munitions. Chemosphere, 2009, 77, 1412-1418.	8.4	13
180	Four domains of cybersecurity: a risk-based systems approach to cyber decisions. Environment Systems and Decisions, 2013, 33, 469-470.	3.3	13

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181	Decision analysis for species preservation under sea-level rise. Ecological Modelling, 2013, 263, 264-272.	2.5	13
182	Susceptibility assessment of urban tree species in Cambridge, MA, from future climatic extremes. Environment Systems and Decisions, 2015, 35, 389-400.	3.3	13
183	Cyber Resilience: by Design or by Intervention?. Computer, 2021, 54, 112-117.	1.5	13
184	A Moment of Mental Model Clarity: Response to Jones et al. 2011. Ecology and Society, 2012, 17, .	2.3	12
185	An Introduction to Resilience for Critical Infrastructures. NATO Science for Peace and Security Series C: Environmental Security, 2017, , 3-17.	0.0	12
186	Decision support for selection of food waste technologies at military installations. Journal of Cleaner Production, 2017, 141, 267-277.	9.5	12
187	Sex Robotsâ€"A Harbinger for Emerging AI Risk. Frontiers in Artificial Intelligence, 2019, 2, 27.	3.6	12
188	An Analytical Perspective on Pandemic Recovery. Health Security, 2020, 18, 250-256.	1.9	12
189	Sustainable Urban Systems: A Review of How Sustainability Indicators Inform Decisions. NATO Science for Peace and Security Series C: Environmental Security, 2014, , 3-20.	0.0	12
190	Strategies for Selecting Routes through Real-World Environments: Relative Topography, Initial Route Straightness, and Cardinal Direction. PLoS ONE, 2015, 10, e0124404.	2.5	12
191	Vaccine supply chain: Resilience-by-design and resilience-by-intervention. Vaccine, 2022, 40, 1695-1698.	4.0	12
192	Concepts and approaches to resilience in a variety of governance and regulatory domains. Environment Systems and Decisions, 2015, 35, 183-184.	3.3	11
193	An Enhanced Adaptive Management Approach for Remediation of Legacy Mercury in the South River. PLoS ONE, 2015, 10, e0117140.	2.5	11
194	A portfolio decision analysis approach to support energy research and development resource allocation. Energy Policy, 2017, 105, 128-135.	8.8	11
195	Can You Be Smart and Resilient at the Same Time?. Environmental Science & Technology, 2017, 51, 5867-5868.	10.5	11
196	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
197	A quantitative risk assessment method for synthetic biology products in the environment. Science of the Total Environment, 2019, 696, 133940.	8.2	11
198	Inferring Species Richness and Turnover by Statistical Multiresolution Texture Analysis of Satellite Imagery. PLoS ONE, 2012, 7, e46616.	2.5	11

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