Igor Linkov

List of Publications by Year in descending order

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356 papers	14,116 citations	23500 58 h-index	29081 104 g-index

369 all docs	369 docs citations	369 times ranked	12235 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.	3.9	940
2	Application of Multicriteria Decision Analysis in Environmental Decision Making. Integrated Environmental Assessment and Management, 2005, 1, 95.	1.6	710
3	Changing the resilience paradigm. Nature Climate Change, 2014, 4, 407-409.	8.1	487
4	From comparative risk assessment to multi-criteria decision analysis and adaptive management: Recent developments and applications. Environment International, 2006, 32, 1072-1093.	4.8	441
5	Integrating Risk and Resilience Approaches to Catastrophe Management in Engineering Systems. Risk Analysis, 2013, 33, 356-367.	1.5	417
6	Resilience and sustainability: Similarities and differences in environmental management applications. Science of the Total Environment, 2018, 613-614, 1275-1283.	3.9	306
7	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.	1.9	292
8	Resilience and efficiency in transportation networks. Science Advances, 2017, 3, e1701079.	4.7	241
9	Weight-of-evidence evaluation in environmental assessment: Review of qualitative and quantitative approaches. Science of the Total Environment, 2009, 407, 5199-5205.	3.9	220
10	Validating Resilience and Vulnerability Indices in the Context of Natural Disasters. Risk Analysis, 2017, 37, 982-1004.	1.5	212
11	Metrics for energy resilience. Energy Policy, 2014, 72, 249-256.	4.2	199
12	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.	1.3	198
13	Resilience metrics for cyber systems. Environment Systems and Decisions, 2013, 33, 471-476.	1.9	194
14	Operational resilience: concepts, design and analysis. Scientific Reports, 2016, 6, 19540.	1.6	183
15	Risk-based classification system of nanomaterials. Journal of Nanoparticle Research, 2009, 11, 757-766.	0.8	178
16	Bouncing forward: a resilience approach to dealing with COVID-19 and future systemic shocks. Environment Systems and Decisions, 2020, 40, 174-184.	1.9	162
17	Nanotoxicology and nanomedicine: making hard decisions. Nanomedicine: Nanotechnology, Biology, and Medicine, 2008, 4, 167-171.	1.7	160
18	Multi-criteria decision analysis and environmental risk assessment for nanomaterials. Journal of Nanoparticle Research, 2007, 9, 543-554.	0.8	152

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19	Untangling drivers of species distributions: Global sensitivity and uncertainty analyses of MaxEnt. Environmental Modelling and Software, 2014, 51, 296-309.	1.9	142
20	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.	3.3	136
21	Trends and applications of multi-criteria decision analysis in environmental sciences: literature review. Environment Systems and Decisions, 2017, 37, 123-133.	1.9	128
22	Coupling Multi-Criteria Decision Analysis, Life-Cycle Assessment, and Risk Assessment for Emerging Threats. Environmental Science & Technology, 2011, 45, 5068-5074.	4.6	123
23	Exploring vulnerability of coastal habitats to sea level rise through global sensitivity andÂuncertainty analyses. Environmental Modelling and Software, 2011, 26, 593-604.	1.9	121
24	Measurable Resilience for Actionable Policy. Environmental Science & Technology, 2013, 47, 130903081548008.	4.6	112
25	The Science and Practice of Resilience. Risk, Systems and Decisions, 2019, , .	0.5	110
26	Governance Strategies for a Sustainable Digital World. Sustainability, 2018, 10, 440.	1.6	106
27	Tiered Approach to Resilience Assessment. Risk Analysis, 2018, 38, 1772-1780.	1.5	105
28	Resilience in Intelligent Transportation Systems (ITS). Transportation Research Part C: Emerging Technologies, 2019, 100, 318-329.	3.9	105
29	Multi-criteria decision analysis framework for sustainable manufacturing in automotive industry. Journal of Cleaner Production, 2018, 187, 257-272.	4.6	103
30	Value of information analysis: the state of application. Environment Systems and Decisions, 2014, 34, 3-23.	1.9	101
31	Impacts of rising air temperatures on electric transmission ampacity and peak electricity load in the United States. Environmental Research Letters, 2016, 11, 114008.	2.2	101
32	A decision-directed approach for prioritizing research into the impact of nanomaterials on the environment and human health. Nature Nanotechnology, 2011, 6, 784-787.	15.6	100
33	Illustrating Anticipatory Life Cycle Assessment for Emerging Photovoltaic Technologies. Environmental Science & Technology, 2014, 48, 10531-10538.	4.6	100
34	Multi-criteria decision analysis to select metrics for design and monitoring of sustainable ecosystem restorations. Ecological Indicators, 2013, 26, 76-86.	2.6	98
35	A matrix approach to community resilience assessment: an illustrative case at Rockaway Peninsula. Environment Systems and Decisions, 2015, 35, 209-218.	1.9	98
36	Environmental risk analysis for nanomaterials: Review and evaluation of frameworks. Nanotoxicology, 2012, 6, 196-212.	1.6	96

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37	Predicted spatio-temporal dynamics of radiocesium deposited onto forests following the Fukushima nuclear accident. Scientific Reports, 2013, 3, 2564.	1.6	95
38	Multi-Criteria Decision Analysis. , 0, , .		92
39	Use of Life Cycle Assessments To Evaluate the Environmental Footprint of Contaminated Sediment Remediation. Environmental Science & Technology, 2011, 45, 4235-4241.	4.6	91
40	Systems engineering framework for cyber physical security and resilience. Environment Systems and Decisions, 2015, 35, 291-300.	1.9	90
41	A weight of evidence approach for hazard screening of engineered nanomaterials. Nanotoxicology, 2014, 8, 72-87.	1.6	84
42	Multicriteria Decision Framework for Cybersecurity Risk Assessment and Management. Risk Analysis, 2020, 40, 183-199.	1.5	82
43	Comparative, collaborative, and integrative risk governance for emerging technologies. Environment Systems and Decisions, 2018, 38, 170-176.	1.9	81
44	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.	3.4	76
45	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.	1.6	76
46	Application of Multicriteria Decision Analysis Tools to Two Contaminated Sediment Case Studies. Integrated Environmental Assessment and Management, 2007, 3, 223.	1.6	74
47	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.	0.8	74
48	Risk-Based Management of Contaminated Sediments:Â Consideration of Spatial and Temporal Patterns in Exposure Modeling. Environmental Science & Technology, 2002, 36, 238-246.	4.6	71
49	Model Uncertainty and Choices Made by Modelers: Lessons Learned from the International Atomic Energy Agency Model Intercomparisonsâ€. Risk Analysis, 2003, 23, 1297-1308.	1.5	71
50	Cognitive Mapping Tools: Review and Risk Management Needs. Risk Analysis, 2012, 32, 1333-1348.	1.5	69
51	Digital technologies can enhance climate resilience of critical infrastructure. Climate Risk Management, 2022, 35, 100387.	1.6	69
52	Benchmarking agency and organizational practices in resilience decision making. Environment Systems and Decisions, 2015, 35, 185-195.	1.9	68
53	Emergent conditions and multiple criteria analysis in infrastructure prioritization for developing countries. Journal of Multi-Criteria Decision Analysis, 2009, 16, 125-137.	1.0	67
54	Resilience management during large-scale epidemic outbreaks. Scientific Reports, 2018, 8, 1859.	1.6	67

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55	Prioritizing Infrastructure Investments in Afghanistan with Multiagency Stakeholders and Deep Uncertainty of Emergent Conditions. Journal of Infrastructure Systems, 2012, 18, 155-166.	1.0	66
56	Integrate life-cycle assessment and risk analysis results, not methods. Nature Nanotechnology, 2017, 12, 740-743.	15.6	66
57	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.	4.2	65
58	Risk-based standards: integrating topâ€“down and bottomâ€“up approaches. Environment Systems and Decisions, 2014, 34, 134-137.	1.9	64
59	Use of Multicriteria Decision Analysis to Support Weight of Evidence Evaluation. Risk Analysis, 2011, 31, 1211-1225.	1.5	63
60	Features of resilience. Environment Systems and Decisions, 2017, 37, 46-50.	1.9	61
61	Resilience science, policy and investment for civil infrastructure. Reliability Engineering and System Safety, 2018, 175, 19-23.	5.1	60
62	Sustainable nanotechnology: Defining, measuring and teaching. Nano Today, 2014, 9, 6-9.	6.2	59
63	A risk-informed decision framework for setting environmental windows for dredging projects. Science of the Total Environment, 2008, 403, 1-11.	3.9	58
64	Coupling Multicriteria Decision Analysis and Life Cycle Assessment for Nanomaterials. Journal of Industrial Ecology, 2008, 12, 282-285.	2.8	56
65	LICARA nanoSCAN - A tool for the self-assessment of benefits and risks of nanoproducts. Environment International, 2016, 91, 150-160.	4.8	53
66	Cybersecurity Standards: Managing Risk and Creating Resilience. Computer, 2014, 47, 70-76.	1.2	52
67	Lack of resilience in transportation networks: Economic implications. Transportation Research, Part D: Transport and Environment, 2020, 86, 102419.	3.2	52
68	Fundamental Concepts of Cyber Resilience: Introduction and Overview. , 2019, , 1-25.		51
69	Sustainable nanotechnology decision support system: bridging risk management, sustainable innovation and risk governance. Journal of Nanoparticle Research, 2016, 18, 1.	0.8	50
70	Emerging Technologies for Environmental Remediation: Integrating Data and Judgment. Environmental Science & Technology, 2016, 50, 349-358.	4.6	50
71	Quantitative weight of evidence to assess confidence in potential modes of action. Regulatory Toxicology and Pharmacology, 2017, 86, 205-220.	1.3	50
72	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.	0.9	50

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73	Use of Stochastic Multi-Criteria Decision Analysis to Support Sustainable Management of Contaminated Sediments. Environmental Science & Technology, 2012, 46, 1326-1334.	4.6	48
74	The Need to Reconcile Concepts that Characterize Systems Facing Threats. Risk Analysis, 2021, 41, 3-15.	1.5	48
75	Flood Risk Management: US Army Corps of Engineers and Layperson Perceptions. Risk Analysis, 2012, 32, 1349-1368.	1.5	47
76	Life cycle assessment for dredged sediment placement strategies. Science of the Total Environment, 2015, 511, 309-318.	3.9	47
77	Risk management is not enough: a conceptual model for resilience and adaptation-based vulnerability assessments. Environment Systems and Decisions, 2015, 35, 219-228.	1.9	46
78	Traceability and Risk Analysis Strategies for Addressing Counterfeit Electronics in Supply Chains for Complex Systems. Risk Analysis, 2016, 36, 1834-1843.	1.5	46
79	Resilience Analytics with Application to Power Grid of a Developing Region. Risk Analysis, 2017, 37, 1268-1286.	1.5	46
80	Resilience of Cyber Systems with Overâ€•and Underregulation. Risk Analysis, 2017, 37, 1644-1651.	1.5	45
81	Risk and resilience in the time of the COVID-19 crisis. Environment Systems and Decisions, 2020, 40, 171-173.	1.9	45
82	Quantifying and mapping resilience within large organizations. Omega, 2019, 87, 117-126.	3.6	44
83	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.	3.9	43
84	Sustainable roofing technology under multiple constraints: a decision-analytical approach. Environment Systems and Decisions, 2013, 33, 261-271.	1.9	43
85	From optimization to adaptation: Shifting paradigms in environmental management and their application to remedial decisions. Integrated Environmental Assessment and Management, 2006, 2, 92-98.	1.6	42
86	Application of Stochastic Multiattribute Analysis to Assessment of Single Walled Carbon Nanotube Synthesis Processes. Environmental Science & Technology, 2010, 44, 8704-8711.	4.6	42
87	Uncertainty in Octanolâ^'Water Partition Coefficient:Â Implications for Risk Assessment and Remedial Costs. Environmental Science & Technology, 2005, 39, 6917-6922.	4.6	41
88	Prioritization of sediment management alternatives using stochastic multicriteria acceptability analysis. Science of the Total Environment, 2010, 408, 4354-4367.	3.9	41
89	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.	3.9	41
90	A weight of evidence assessment approach for adverse outcome pathways. Regulatory Toxicology and Pharmacology, 2016, 75, 46-57.	1.3	41

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91	Risk and resilience must be independently managed. Nature, 2018, 555, 30-30.	13.7	40
92	For nanotechnology decisions, use decision analysis. Nano Today, 2013, 8, 5-10.	6.2	39
93	Stability of a giant connected component in a complex network. Physical Review E, 2018, 97, 012309.	0.8	39
94	Resilience and projects: An interdisciplinary crossroad. Project Leadership and Society, 2020, 1, 100001.	1.8	38
95	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.	2.2	38
96	Siteâ€Specific Applications of Probabilistic Health Risk Assessment: Review of the Literature Since 2000. Risk Analysis, 2007, 27, 635-658.	1.5	37
97	Trends and applications of multi-criteria decision analysis: use in government agencies. Environment Systems and Decisions, 2017, 37, 134-143.	1.9	37
98	A Decision Analytic Approach to Exposure-Based Chemical Prioritization. PLoS ONE, 2013, 8, e70911.	1.1	36
99	Review of decision analytic tools for sustainable nanotechnology. Environment Systems and Decisions, 2015, 35, 29-41.	1.9	36
100	Risk associated with engineered nanomaterials: Different tools for different ways to govern. Nano Today, 2018, 21, 9-13.	6.2	36
101	Radionuclide migration in forest ecosystems â€“ results of a model validation study. Journal of Environmental Radioactivity, 2005, 84, 285-296.	0.9	35
102	Climate change scenarios: risk and impact analysis for Alaska coastal infrastructure. International Journal of Risk Assessment and Management, 2011, 15, 258.	0.2	35
103	Risk-Based and Prevention-Based Governance for Emerging Materials. Environmental Science & Technology, 2016, 50, 6822-6824.	4.6	35
104	Engineering meets institutions: an interdisciplinary approach to the management of resilience. Environment Systems and Decisions, 2018, 38, 306-317.	1.9	35
105	Selecting sustainable alternatives for cruise ships in Venice using multi-criteria decision analysis. Science of the Total Environment, 2018, 642, 668-678.	3.9	35
106	Scenario analysis: a review of methods and applications for engineering and environmental systems. Environment Systems and Decisions, 2013, 33, 3-20.	1.9	34
107	Communityâ€Driven Hypothesis Testing: A Solution for the Tragedy of the Anticommons. Risk Analysis, 2018, 38, 620-634.	1.5	34
108	A decision analytic model to guide earlyâ€stage government regulatory action: Applications for synthetic biology. Regulation and Governance, 2018, 12, 88-100.	1.9	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.	3.9	32
110	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.	4.6	32
111	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.	0.1	32
112	Simulating the fate of Florida Snowy Plovers with sea-level rise: Exploring research and management priorities with a global uncertainty and sensitivity analysis perspective. Ecological Modelling, 2012, 224, 33-47.	1.2	31
113	Epistemic uncertainty in predicting shorebird biogeography affected by sea-level rise. Ecological Modelling, 2012, 240, 1-15.	1.2	31
114	Defining, measuring, and enhancing resilience for small groups. Safety Science, 2019, 120, 603-616.	2.6	31
115	Risk Governance of Nanomaterials: Review of Criteria and Tools for Risk Communication, Evaluation, and Mitigation. Nanomaterials, 2019, 9, 696.	1.9	31
116	Defining resilience for the US building industry. Building Research and Information, 2019, 47, 480-492.	2.0	30
117	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.	1.6	29
118	Research and Development Priorities for Energy Islanding of Military and Industrial Installations. Journal of Infrastructure Systems, 2013, 19, 297-305.	1.0	29
119	Risk and resilience lessons from Venice. Environment Systems and Decisions, 2014, 34, 378-382.	1.9	29
120	Governing the Use of Blockchain and Distributed Ledger Technologies: Not One-Size-Fits-All. IEEE Engineering Management Review, 2018, 46, 56-62.	1.0	29
121	The challenges of nanotechnology risk management. Nano Today, 2015, 10, 6-10.	6.2	28
122	A Definition and Categorization System for Advanced Materials: The Foundation for Riskâ€Informed Environmental Health and Safety Testing. Risk Analysis, 2019, 39, 1783-1795.	1.5	28
123	Risk Governance of Emerging Technologies Demonstrated in Terms of its Applicability to Nanomaterials. Small, 2020, 16, e2003303.	5.2	28
124	Do Tropical Cyclones Shape Shorebird Habitat Patterns? Biogeoclimatology of Snowy Plovers in Florida. PLoS ONE, 2011, 6, e15683.	1.1	27
125	Advancing Alternative Analysis: Integration of Decision Science. Environmental Health Perspectives, 2017, 125, 066001.	2.8	27
126	The Essential Elements of a Risk Governance Framework for Current and Future Nanotechnologies. Risk Analysis, 2018, 38, 1321-1331.	1.5	27

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127	Co-evolution of physical and social sciences in synthetic biology. Critical Reviews in Biotechnology, 2019, 39, 351-365.	5.1	27
128	The challenges of data usage for the United Statesâ€™ COVID-19 response. International Journal of Information Management, 2021, 59, 102352.	10.5	27
129	Scale- and resolution-invariance of suitable geographic range for shorebird metapopulations. Ecological Complexity, 2011, 8, 364-376.	1.4	26
130	Using Our Brains to Develop Better Policy. Risk Analysis, 2012, 32, 374-380.	1.5	26
131	Nanotoxicology and nanomedicine: making development decisions in an evolving governance environment. Journal of Nanoparticle Research, 2018, 20, 1.	0.8	26
132	A sustainable Arctic: Making hard decisions. Arctic, Antarctic, and Alpine Research, 2018, 50, .	0.4	26
133	Cybertrust: From Explainable to Actionable and Interpretable Artificial Intelligence. Computer, 2020, 53, 91-96.	1.2	26
134	Enhanced Adaptive Management: Integrating Decision Analysis, Scenario Analysis and Environmental Modeling for the Everglades. Scientific Reports, 2013, 3, 2922.	1.6	25
135	Stakeholder engagement in dredged material management decisions. Science of the Total Environment, 2014, 496, 248-256.	3.9	25
136	Multi-criteria risk management with the use of DecernsMCDA: methods and case studies. Environment Systems and Decisions, 2016, 36, 266-276.	1.9	25
137	A critical juncture for synthetic biology. EMBO Reports, 2018, 19, .	2.0	25
138	Resilience for Smart Water Systems. Journal of Water Resources Planning and Management - ASCE, 2020, 146, .	1.3	25
139	To Improve Cyber Resilience, Measure It. Computer, 2021, 54, 80-85.	1.2	25
140	Building biosecurity for synthetic biology. Molecular Systems Biology, 2020, 16, e9723.	3.2	25
141	Systemic resilience in economics. Nature Physics, 2022, 18, 381-384.	6.5	25
142	Importance of Uncertainty and Variability to Predicted Risks from Trophic Transfer of PCBs in Dredged Sediments. Risk Analysis, 2002, 22, 499-512.	1.5	24
143	A resilience matrix approach for measuring and mitigating disaster-induced population displacement. International Journal of Disaster Risk Reduction, 2020, 42, 101310.	1.8	24
144	Use of multicriteria involvement processes to enhance transparency and stakeholder participation at Bergen Harbor, Norway. Integrated Environmental Assessment and Management, 2011, 7, 414-425.	1.6	23

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145	A game theoretic model for resource allocation among countermeasures with multiple attributes. European Journal of Operational Research, 2016, 252, 610-622.	3.5	23
146	The use of spatial modeling in an aquatic food web to estimate exposure and risk. Science of the Total Environment, 2002, 288, 97-110.	3.9	22
147	Flood Protection Diversification to Reduce Probabilities of Extreme Losses. Risk Analysis, 2012, 32, 1873-1887.	1.5	22
148	Advances on a Decision Analytic Approach to Exposureâ€Based Chemical Prioritization. Risk Analysis, 2020, 40, 83-96.	1.5	22
149	The case for value chain resilience. Management Research Review, 2020, 43, .	1.5	22
150	An Explainable Deep Learning Framework for Resilient Intrusion Detection in IoT-Enabled Transportation Networks. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 1000-1014.	4.7	22
151	Anticarcinogenic Responses in Rodent Cancer Bioassays Are Not Explained by Random Effects. Toxicological Sciences, 1998, 43, 1-9.	1.4	21
152	Environment models and decisions. Environment Systems and Decisions, 2014, 34, 369-372.	1.9	21
153	The Vaccine Supply Chain: A Call for Resilience Analytics to Support COVID-19 Vaccine Production and Distribution. Risk, Systems and Decisions, 2021, , 389-437.	0.5	21
154	Remedial Policies in Radiologically-Contaminated Forests: Environmental Consequences and Risk Assessment. Risk Analysis, 1997, 17, 67-75.	1.5	20
155	Panarchy use in environmental science for risk and resilience planning. Environment Systems and Decisions, 2016, 36, 225-228.	1.9	20
156	Balancing research and funding using value of information and portfolio tools for nanomaterial risk classification. Nature Nanotechnology, 2016, 11, 198-203.	15.6	20
157	Why Life Cycle Assessment Does Not Work for Synthetic Biology. Environmental Science & Technology, 2017, 51, 5861-5862.	4.6	20
158	System models for resilience in gerontology: application to the COVID-19 pandemic. BMC Geriatrics, 2021, 21, 51.	1.1	20
159	Enhancing Resilience in Post-COVID Societies: By Design or By Intervention?. Environmental Science & Technology, 2021, 55, 4202-4204.	4.6	20
160	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.	1.0	19
161	Building resilience will require compromise on efficiency. Nature Energy, 2021, 6, 997-999.	19.8	19
162	A Semi-Quantitative Risk Assessment Standard for Counterfeit Electronics Detection. SAE International Journal of Aerospace, 2014, 7, 171-181.	4.0	18

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163	The Value of Information for Managing Contaminated Sediments. Environmental Science & Technology, 2014, 48, 9478-9485.	4.6	18
164	Cryptocurrency: governance for what was meant to be ungovernable. Environment Systems and Decisions, 2018, 38, 426-430.	1.9	18
165	Integrating Legal Liabilities in Nanomanufacturing Risk Management. Environmental Science & Technology, 2012, 46, 7955-7962.	4.6	17
166	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.	1.9	17
167	Multiscale approach to the security of hardware supply chains for energy systems. Environment Systems and Decisions, 2013, 33, 326-334.	1.9	16
168	Avoiding Decline: Fostering Resilience and Sustainability in Midsize Cities. Sustainability, 2016, 8, 844.	1.6	16
169	Safety-by-design as a governance problem. Nano Today, 2020, 35, 100989.	6.2	16
170	How to Measure Cyber-Resilience of a System With Autonomous Agents: Approaches and Challenges. IEEE Engineering Management Review, 2021, 49, 89-97.	1.0	16
171	Multi-Criteria Decision Analysis. , 0, , .		16
172	A modular approach for assembly of quantitative adverse outcome pathways. ALTEX: Alternatives To Animal Experimentation, 2019, 36, 353-362.	0.9	16
173	Model-directed sampling in Chernobyl forests: general methodology and 1994 sampling program. Science of the Total Environment, 1996, 180, 229-240.	3.9	15
174	Typological review of environmental performance metrics (with illustrative examples for oil spill) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 30	1.6	15
175	Shorebird patches as fingerprints of fractal coastline fluctuations due to climate change. Ecological Processes, 2012, 1, .	1.6	15
176	A simplified approach for simulating changes in beach habitat due to the combined effects of long-term sea level rise, storm erosion, and nourishment. Environmental Modelling and Software, 2014, 52, 111-120.	1.9	15
177	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.	1.5	15
178	Combine resilience and efficiency in post-COVID societies. Nature, 2020, 588, 220-220.	13.7	15
179	Weight of Evidence: What Is the State of the Science?. Risk Analysis, 2006, 26, 573-575.	1.5	14
180	Multiple-criteria decision-aiding framework to analyze and assess the governance of sustainability. Environment Systems and Decisions, 2013, 33, 305-321.	1.9	14

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181	Decision framework for evaluating the macroeconomic risks and policy impacts of cyber attacks. Environment Systems and Decisions, 2013, 33, 544-560.	1.9	14
182	Network Foundation for Command and Control (C2) Systems: Literature Review. IEEE Access, 2018, 6, 68782-68794.	2.6	14
183	Security Metrics in Industrial Control Systems. Advances in Information Security, 2016, , 167-185.	0.9	14
184	Resilience: Directions for an Uncertain Future Following the COVIDâ€19 Pandemic. GeoHealth, 2021, 5, e2021GH000447.	1.9	14
185	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.	4.2	13
186	Four domains of cybersecurity: a risk-based systems approach to cyber decisions. Environment Systems and Decisions, 2013, 33, 469-470.	1.9	13
187	Decision analysis for species preservation under sea-level rise. Ecological Modelling, 2013, 263, 264-272.	1.2	13
188	A decision-analytic approach to predict state regulation of hydraulic fracturing. Environmental Sciences Europe, 2014, 26, 20.	2.6	13
189	Resilience-by-Design and Resilience-by-Intervention in supply chains for remote and indigenous communities. Nature Communications, 2022, 13, 1124.	5.8	13
190	Spatially explicit exposure models: application to military sites. Toxicology and Industrial Health, 2001, 17, 230-235.	0.6	12
191	A Moment of Mental Model Clarity: Response to Jones et al. 2011. Ecology and Society, 2012, 17, .	1.0	12
192	Susceptibility assessment of urban tree species in Cambridge, MA, from future climatic extremes. Environment Systems and Decisions, 2015, 35, 389-400.	1.9	11
193	Concepts and approaches to resilience in a variety of governance and regulatory domains. Environment Systems and Decisions, 2015, 35, 183-184.	1.9	11
194	A portfolio decision analysis approach to support energy research and development resource allocation. Energy Policy, 2017, 105, 128-135.	4.2	11
195	An Introduction to Resilience for Critical Infrastructures. NATO Science for Peace and Security Series C: Environmental Security, 2017, , 3-17.	0.1	11
196	Cyber Resilience: by Design or by Intervention?. Computer, 2021, 54, 112-117.	1.2	11
197	Sustainable Urban Systems: A Review of How Sustainability Indicators Inform Decisions. NATO Science for Peace and Security Series C: Environmental Security, 2014, , 3-20.	0.1	11
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