

# Roger M Cooke

## List of Publications by Year in descending order

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Version: 2024-02-01

106  
papers

5,439  
citations

147801

31  
h-index

85541

71  
g-index

131  
all docs

131  
docs citations

131  
times ranked

5569  
citing authors

#	ARTICLE	IF	CITATIONS
1	Expert forecasting with and without uncertainty quantification and weighting: What do the data say?. <i>International Journal of Forecasting</i> , 2021, 37, 378-387.	6.5	14
2	Vine Regression with Bayes Nets: A Critical Comparison with Traditional Approaches Based on a Case Study on the Effects of Breastfeeding on IQ. <i>Risk Analysis</i> , 2021, , .	2.7	2
3	Pupils returning to primary schools in England during 2020: rapid estimations of a punctual COVID-19 infection rates. <i>Royal Society Open Science</i> , 2021, 8, 202218.	2.4	3
4	Monetizing the Value of Measurements of Equilibrium Climate Sensitivity Using the Social Cost of Carbon. <i>Environmental Modeling and Assessment</i> , 2020, 25, 59-72.	2.2	1
5	Vine copula regression for observational studies. <i>AStA Advances in Statistical Analysis</i> , 2020, 104, 141-167.	0.9	8
6	Market-based methods for monetizing uncertainty reduction. <i>Environment Systems and Decisions</i> , 2020, 40, 3-13.	3.4	5
7	Quantifying uncertainty about future antimicrobial resistance: Comparing structured expert judgment and statistical forecasting methods. <i>PLoS ONE</i> , 2019, 14, e0219190.	2.5	13
8	Ice sheet contributions to future sea-level rise from structured expert judgment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 11195-11200.	7.1	383
9	Expert Elicitation: Using the Classical Model to Validate Experts'™ Judgments. <i>Review of Environmental Economics and Policy</i> , 2018, 12, 113-132.	7.0	85
10	Oklahoma's induced seismicity strongly linked to wastewater injection depth. <i>Science</i> , 2018, 359, 1251-1255.	12.6	125
11	Elicitation in the Classical Model. <i>Profiles in Operations Research</i> , 2018, , 15-36.	0.4	26
12	Designing the Climate Observing System of the Future. <i>Earth's Future</i> , 2018, 6, 80-102.	6.3	24
13	Validation in the Classical Model. <i>Profiles in Operations Research</i> , 2018, , 37-59.	0.4	5
14	Probabilistic reasoning about measurements of equilibrium climate sensitivity: combining disparate lines of evidence. <i>Climatic Change</i> , 2018, 151, 541-554.	3.6	6
15	Using the social cost of carbon to value earth observing systems. <i>Climate Policy</i> , 2017, 17, 330-345.	5.1	6
16	Cross validation for the classical model of structured expert judgment. <i>Reliability Engineering and System Safety</i> , 2017, 163, 109-120.	8.9	80
17	Expert judgement for dependence in probabilistic modelling: A systematic literature review and future research directions. <i>European Journal of Operational Research</i> , 2017, 258, 801-819.	5.7	77
18	Attribution of global foodborne disease to specific foods: Findings from a World Health Organization structured expert elicitation. <i>PLoS ONE</i> , 2017, 12, e0183641.	2.5	130

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19	Effects of Increases in IQ in India on the Present Value of Lifetime Earnings: A Structured Expert Judgment Study. SSRN Electronic Journal, 2017, , .	0.4	0
20	Global correlation and uncertainty accounting. Dependence Modeling, 2016, 4, .	0.5	2
21	How Does Breastfeeding Affect IQ? Applying the Classical Model of Structured Expert Judgment. SSRN Electronic Journal, 2016, , .	0.4	4
22	World Health Organization Estimates of the Relative Contributions of Food to the Burden of Disease Due to Selected Foodborne Hazards: A Structured Expert Elicitation. PLoS ONE, 2016, 11, e0145839.	2.5	177
23	Expert judgement and uncertainty quantification for climate change. Nature Climate Change, 2016, 6, 445-451.	18.8	93
24	Risk Analysis and Bioeconomics of Invasive Species to Inform Policy and Management. Annual Review of Environment and Resources, 2016, 41, 453-488.	13.4	149
25	Forecasting the Impacts of Silver and Bighead Carp on the Lake Erie Food Web. Transactions of the American Fisheries Society, 2016, 145, 136-162.	1.4	60
26	Evaluation of a Performance-Based Expert Elicitation: WHO Global Attribution of Foodborne Diseases. PLoS ONE, 2016, 11, e0149817.	2.5	26
27	Use of structured expert judgment to forecast invasions by bighead and silver carp in Lake Erie. Conservation Biology, 2015, 29, 187-197.	4.7	59
28	The Aggregation of Expert Judgment: Do Good Things Come to Those Who Weight?. Risk Analysis, 2015, 35, 12-15.	2.7	26
29	Sampling, conditionalizing, counting, merging, searching regular vines. Journal of Multivariate Analysis, 2015, 138, 4-18.	1.0	27
30	Rating impacts in a multi-stressor world: a quantitative assessment of 50 stressors affecting the Great Lakes. Ecological Applications, 2015, 25, 717-728.	3.8	60
31	Messaging climate change uncertainty. Nature Climate Change, 2015, 5, 8-10.	18.8	53
32	Reply to comment on "Suburban watershed nitrogen retention: Estimating the effectiveness of stormwater management structures" by Koch et al. (Elem Sci Anth 3:000063, July 2015). Elementa, 2015, 3, .	3.2	1
33	Out-of-sample validation for structured expert judgment of Asian carp establishment in Lake Erie. Integrated Environmental Assessment and Management, 2014, 10, 522-528.	2.9	26
34	Value of information for climate observing systems. Environment Systems and Decisions, 2014, 34, 98-109.	3.4	31
35	Estimating expected value of information using Bayesian belief networks: a case study in fish consumption advisory. Environment Systems and Decisions, 2014, 34, 88-97.	3.4	9
36	Using Structured Expert Judgment to Assess Invasive Species Prevention: Asian Carp and the Mississippi-Great Lakes Hydrologic Connection. Environmental Science & Technology, 2014, 48, 2150-2156.	10.0	40

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37	Validating Expert Judgment with the Classical Model. <i>Ethical Economy</i> , 2014, , 191-212.	0.1	9
38	Elicited preferences for components of ocean health in the California Current. <i>Marine Policy</i> , 2013, 42, 68-73.	3.2	16
39	Uncertainty analysis comes to integrated assessment models for climate change and conversely. <i>Climatic Change</i> , 2013, 117, 467-479.	3.6	24
40	Model uncertainty in economic impacts of climate change: Bernoulli versus Lotka Volterra dynamics. <i>Integrated Environmental Assessment and Management</i> , 2013, 9, 2-6.	2.9	7
41	Explaining the Failure to Insure Catastrophic Risks. <i>Geneva Papers on Risk and Insurance: Issues and Practice</i> , 2012, 37, 206-227.	2.1	52
42	Expert judgement and re-elicitation for prion disease risk uncertainties. <i>International Journal of Risk Assessment and Management</i> , 2012, 16, 48.	0.1	15
43	Ship-borne Nonindigenous Species Diminish Great Lakes Ecosystem Services. <i>Ecosystems</i> , 2012, 15, 1-15.	3.4	67
44	Quantifying information security risks using expert judgment elicitation. <i>Computers and Operations Research</i> , 2012, 39, 774-784.	4.0	51
45	Least squares type estimation for Cox regression model and specification error. <i>Computational Statistics and Data Analysis</i> , 2012, 56, 2288-2302.	1.2	5
46	Managing dependencies in forest offset projects: toward a more complete evaluation of reversal risk. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2012, 17, 17-24.	2.1	10
47	The Value of Information in a Risk Management Approach to Climate Change. , 2012, , 19-43.		2
48	A Remark on Euclid's Theorem on the Infinitude of the Primes. <i>American Mathematical Monthly</i> , 2011, 118, 355.	0.3	2
49	Risk Premia and the Social Cost of Carbon: A Review. <i>Economics</i> , 2011, 5, .	0.6	9
50	Response to Conundrums Letter. <i>Risk Analysis</i> , 2011, 31, 5-6.	2.7	0
51	Expert judgment based multi-criteria decision model to address uncertainties in risk assessment of nanotechnology-enabled food products. <i>Journal of Nanoparticle Research</i> , 2011, 13, 1813-1831.	1.9	27
52	Expert Elicitation for the Judgment of Prion Disease Risk Uncertainties. <i>Journal of Toxicology and Environmental Health - Part A: Current Issues</i> , 2011, 74, 261-285.	2.3	25
53	Future declines of the binational Laurentian Great Lakes fisheries: the importance of environmental and cultural change. <i>Frontiers in Ecology and the Environment</i> , 2010, 8, 239-244.	4.0	34
54	Conundrums with Uncertainty Factors. <i>Risk Analysis</i> , 2010, 30, 330-339.	2.7	15

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55	Probabilistic Inversion in Priority Setting of Emerging Zoonoses. Risk Analysis, 2010, 30, 715-723.	2.7	19
56	Updating Parameters of the Chicken Processing Line Model. Risk Analysis, 2010, 30, 934-944.	2.7	4
57	Vines Arise. , 2010, , 37-71.		10
58	Micro Correlations and Tail Dependence. , 2010, , 89-112.		0
59	Regular Vines: Generation Algorithm and Number of Equivalence Classes. , 2010, , 219-231.		1
60	Using expert judgment to estimate marine ecosystem vulnerability in the California Current. Ecological Applications, 2010, 20, 1402-1416.	3.8	132
61	Prioritizing Emerging Zoonoses in The Netherlands. PLoS ONE, 2010, 5, e13965.	2.5	129
62	Myosin regulatory light chain phosphorylation inhibits shortening velocities of skeletal muscle fibers in the presence of the myosin inhibitor blebbistatin. Journal of Muscle Research and Cell Motility, 2009, 30, 17-27.	2.0	32
63	Obtaining Distributions from Groups for Decisions Under Uncertainty. , 2009, , 257-276.		6
64	TU Delft expert judgment data base. Reliability Engineering and System Safety, 2008, 93, 657-674.	8.9	243
65	On the performance of social network and likelihood-based expert weighting schemes. Reliability Engineering and System Safety, 2008, 93, 745-756.	8.9	60
66	Response to discussants. Reliability Engineering and System Safety, 2008, 93, 775-777.	8.9	19
67	Expert judgment study for placement ladder bowtie. Safety Science, 2008, 46, 921-934.	4.9	9
68	Regulating Under Uncertainty: Newsboy for Exposure Limits. Risk Analysis, 2008, 28, 577-587.	2.7	3
69	Attribution of Foodborne Pathogens Using Structured Expert Elicitation. Foodborne Pathogens and Disease, 2008, 5, 649-659.	1.8	127
70	Uncertainty and Sensitivity Analyses of a Dynamic Economic Evaluation Model for Vaccination Programs. Medical Decision Making, 2008, 28, 182-200.	2.4	29
71	Sample-based estimation of correlation ratio with polynomial approximation. ACM Transactions on Modeling and Computer Simulation, 2007, 18, 1-17.	0.8	28
72	A Probabilistic Characterization of the Relationship between Fine Particulate Matter and Mortality:â€œ Elicitation of European Experts. Environmental Science & Technology, 2007, 41, 6598-6605.	10.0	96

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73	Competing risk and the Cox proportional hazard model. Journal of Statistical Planning and Inference, 2006, 136, 1621-1637.	0.6	15
74	Probabilistic inversion for chicken processing lines. Reliability Engineering and System Safety, 2006, 91, 1364-1372.	8.9	13
75	A Structured Expert Judgment Study for a Model of Campylobacter Transmission During Broiler-Chicken Processing. Risk Analysis, 2005, 25, 109-124.	2.7	56
76	The anatomy of the squizzel. Reliability Engineering and System Safety, 2004, 85, 313-319.	8.9	50
77	Vines--a new graphical model for dependent random variables. Annals of Statistics, 2002, 30, 1031.	2.6	912
78	Probability Density Decomposition for Conditionally Dependent Random Variables Modeled by Vines. Annals of Mathematics and Artificial Intelligence, 2001, 32, 245-268.	1.3	657
79	Self-Conditional Probabilities and Probabilistic Interpretations of Belief Functions. Annals of Mathematics and Artificial Intelligence, 2001, 32, 269-285.	1.3	1
80	OPTIMAL MAINTENANCE DECISIONS FOR DIKES. Probability in the Engineering and Informational Sciences, 2000, 14, 101-121.	0.8	32
81	A Probabilistic Model for the Failure Frequency of Underground Gas Pipelines. Risk Analysis, 1998, 18, 511-527.	2.7	25
82	Post-processing techniques for the joint CEC/USNRC uncertainty analysis of accident consequence codes. Journal of Statistical Computation and Simulation, 1997, 57, 243-259.	1.2	5
83	Uncertainty in dispersion and deposition in accident consequence modeling assessed with performance-based expert judgment. Reliability Engineering and System Safety, 1994, 45, 35-46.	8.9	18
84	Parameter fitting for uncertain models: modelling uncertainty in small models. Reliability Engineering and System Safety, 1994, 44, 89-102.	8.9	21
85	Calibration and information in expert resolution; a classical approach. Automatica, 1988, 24, 87-93.	5.0	65
86	A result in renyi's conditional probability theory with application to subjective probability. Journal of Philosophical Logic, 1983, 12, 19-32.	0.9	2
87	Expert Judgment in the Uncertainty Analysis of Dike Ring Failure Frequency. , 0, , 331-350.		6
88	Reliability Model for Underground Gas Pipelines. , 0, , 423-446.		2
89	Comment: Statistical Test for Statistics - as - Usual Confidence Bands. , 0, , 45-46.		0
90	Math/Stats Perspective on Chapter 2: Agreement and Disagreement. , 0, , 82-86.		1

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91	Comment: EPI/TOX Perspective on Chapter 2: What Data Sets Per se Say. , 0, , 87-96.		0
92	Comment: Math/Stats Perspective on Chapter 3: Nonparametric Bayes. , 0, , 147-149.		0
93	Comment: EPI/TOX View on Nonparametric Bayes: Dosing Precision. , 0, , 150-152.		0
94	Comment: Regulatory/Risk Perspective on Chapter 2: Substantial Advances Nourish Hope for Clarity?. , 0, , 97-104.		0
95	Comment: A Weakness in the Approach?. , 0, , 105-106.		0
96	Comment: A Question Dangles. , 0, , 44-44.		0
97	Comment: Math/Stats Perspective on Chapter 4: Bayesian Model Averaging. , 0, , 180-182.		0
98	Comment: EPI/TOX Perspective on Chapter 1: Re-Formulating the Issues. , 0, , 37-41.		0
99	Comment: EPI/TOX Perspective on Chapter 4: Use of Bayesian Model Averaging for Addressing Uncertainties in Cancer Doseâ€“Response Modeling. , 0, , 183-184.		0
100	Comment: The Math/Stats Perspective on Chapter 1: Hard Problems Remain. , 0, , 34-36.		0
101	Comment: Regulatory/Risk Perspective on Chapter 1 : A Good Baseline. , 0, , 42-43.		0
102	Uncertainty Quantification for Doseâ€“Response Models Using Probabilistic Inversion with Isotonic Regression: Bench Test Results. , 0, , 51-81.		0
103	Comment: Regulatory/Risk Perspective on Chapter 4: Model Averages, Model Amalgams, and Model Choice. , 0, , 185-193.		0
104	Vine Regression. SSRN Electronic Journal, 0, , .	0.4	8
105	A Shapley Value Approach to Pricing Climate Risks. SSRN Electronic Journal, 0, , .	0.4	0
106	Deep and Shallow Uncertainty in Messaging Climate Change. SSRN Electronic Journal, 0, , .	0.4	0