Bruce G Marcot

List of Publications by Year
in descending order

52 papers	3,131 citations	257450 24 h-index	197818 49 g-index
54 all docs	54 docs citations	54 times ranked	3235 citing authors

#	Article	IF	Citations
1	Guidelines for developing and updating Bayesian belief networks applied to ecological modeling and conservation. Canadian Journal of Forest Research, 2006, 36, 3063-3074.	1.7	483
2	Using Bayesian belief networks to evaluate fish and wildlife population viability under land management alternatives from an environmental impact statement. Forest Ecology and Management, 2001, 153, 29-42.	3.2	308
3	Bayesian belief networks: applications in ecology and natural resource management. Canadian Journal of Forest Research, 2006, 36, 3053-3062.	1.7	272
4	Metrics for evaluating performance and uncertainty of Bayesian network models. Ecological Modelling, 2012, 230, 50-62.	2.5	249
5	Advances in Bayesian network modelling: Integration of modelling technologies. Environmental Modelling and Software, 2019, 111, 386-393.	4.5	181
6	Using Bayesian belief networks in adaptive management. Canadian Journal of Forest Research, 2006, 36, 3104-3116.	1.7	159
7	Greenhouse gas mitigation can reduce sea-ice loss and increase polar bear persistence. Nature, 2010, 468, 955-958.	27.8	151
8	What is an optimal value of k in k-fold cross-validation in discrete Bayesian network analysis?. Computational Statistics, 2021, 36, 2009-2031.	1.5	150
9	Forecasting the relative influence of environmental and anthropogenic stressors on polar bears. Ecosphere, 2016, 7, e01370.	2.2	92
10	A Bayesian Network Modeling Approach to Forecasting the 21st Century Worldwide Status of Polar Bears. Geophysical Monograph Series, 0, , 213-268.	0.1	83
11	Impacts of Human Recreation on Brown Bears (Ursus arctos): A Review and New Management Tool. PLoS ONE, 2016, 11, e0141983.	2.5	81
12	Projected status of the Pacific walrus (Odobenus rosmarus divergens) in the twenty-first century. Polar Biology, 2011, 34, 1065-1084.	1.2	77
13	Status and trends of habitats of terrestrial vertebrates in relation to land management in the interior Columbia river basin. Forest Ecology and Management, 2001, 153, 63-87.	3.2	66
14	Recent advances in applying decision science to managing national forests. Forest Ecology and Management, 2012, 285, 123-132.	3.2	61
15	Protecting Rare, Old-Growth, Forest-Associated Species under the Survey and Manage Program Guidelines of the Northwest Forest Plan. Conservation Biology, 2006, 20, 306-318.	4.7	53
16	Twenty‐five years of the Northwest Forest Plan: what have we learned?. Frontiers in Ecology and the Environment, 2019, 17, 511-520.	4.0	53
17	Common quandaries and their practical solutions in Bayesian network modeling. Ecological Modelling, 2017, 358, 1-9.	2.5	51
18	Characterizing Species at Risk I: Modeling Rare Species Under the Northwest Forest Plan. Ecology and Society, 2006, 11, .	2.3	42

#	ARTICLE	IF	CITATIONS
19	Activity-specific ecological niche models for planning reintroductions of California condors () Tj ETQq1 1 0.784314 rgBT /Overlock 10	4.1	42
20	ANALYSIS OF SENSITIVITY AND UNCERTAINTY IN AN INDIVIDUALâ€BASED MODEL OF A THREATENED WILDLIFE SPECIES. Natural Resource Modelling, 2015, 28, 37-58.	2.0	36
21	A Bayesian approach to evaluating habitat for woodland caribou in north-central British Columbia. Canadian Journal of Forest Research, 2006, 36, 3117-3133.	1.7	33
22	Addressing uncertainty: How to conserve and manage rare or little-known fungi. Fungal Ecology, 2011, 4, 134-146.	1.6	33
23	Projected changes in diverse ecosystems from climate warming and biophysical drivers in northwest Alaska. Climatic Change, 2015, 130, 131-144.	3.6	33
24	Bayesian decision network modeling for environmental risk management: A wildfire case study. Journal of Environmental Management, 2020, 270, 110735.	7.8	32
25	Predicting forest insect flight activity: A Bayesian network approach. PLoS ONE, 2017, 12, e0183464.	2.5	27
26	Species and Ecosystem Viability: Key Questions and Issues. Journal of Forestry, 1994, 92, 45-47.	1.0	24
27	An evaluation of resource inventory and monitoring program used in national forest planning. Environmental Management, 1995, 19, 147-156.	2.7	23
28	Projected changes in wildlife habitats in Arctic natural areas of northwest Alaska. Climatic Change, 2015, 130, 145-154.	3.6	22
29	An Expert Panel Approach to Assessing Potential Effects of Bull Trout Reintroduction on Federally Listed Salmonids in the Clackamas River, Oregon. North American Journal of Fisheries Management, 2012, 32, 450-465.	1.0	21
30	HABITAT MODELING FOR BIODIVERSITY CONSERVATION. Northwestern Naturalist, 2006, 87, 56.	0.4	20
31	DNA-based approach to aging martens (<i>Martes americana</i> and <i>M. caurina</i>). Journal of Mammalogy, 2011, 92, 500-510.	1.3	20
32	Conservation planning for species recovery under the Endangered Species Act: A case study with the Northern Spotted Owl. PLoS ONE, 2019, 14, e0210643.	2.5	20
33	A decision support system for identifying potentially invasive and injurious freshwater fishes. Management of Biological Invasions, 2019, 10, 200-226.	1.2	16
34	Estimates of tidalâ€marsh bird densities using Bayesian networks. Journal of Wildlife Management, 2019, 83, 109-120.	1.8	15
35	HOW BIG AND HOW CLOSE? HABITAT PATCH SIZE AND SPACING TO CONSERVE A THREATENED SPECIES. Natural Resource Modelling, 2013, 26, 194-214.	2.0	14
36	Rebuttal of â€œPolar Bear Population Forecasts: A Public-Policy Forecasting Auditâ€. Interfaces, 2009, 39, 353-369.	1.5	12

#	Article	IF	Citations
37	Mapping marine habitat suitability and uncertainty of Bayesian networks: a case study using Pacific benthic macrofauna. Ecosphere, 2017, 8, e01859.	2.2	9
38	Risk Analysis Frameworks Used in Biological Control and Introduction of a Novel Bayesian Network Tool. Risk Analysis, 2022, 42, 1255-1276.	2.7	9
39	Biodiversity and the lexicon zoo. Forest Ecology and Management, 2007, 246, 4-13.	3.2	8
40	Habitat of the endangered salt marsh harvest mouse (*Reithrodontomys raviventris*) in San Francisco Bay. Ecology and Evolution, 2020, 10, 662-677.	1.9	8
41	Medical Diagnosis. , 0, , 15-32.		7
42	Efficacy of automated detection of motion in wildlife monitoring videos. Wildlife Society Bulletin, 2019, 43, 726-736.	1.6	6
43	Applying circuit theory and landscape linkage maps to reintroduction planning for California Condors. PLoS ONE, 2019, 14, e0226491.	2.5	6
44	Conservation of Indian Forests. Conservation Biology, 1992, 6, 12-16.	4.7	5
45	Drivers of historical and projected changes in diverse boreal ecosystems: fires, thermokarst, riverine dynamics, and humans. Environmental Research Letters, 2022, 17, 045016.	5.2	4
46	Using Decision Science for Monitoring Threatened Western Snowy Plovers to Inform Recovery. Animals, 2021, 11, 569.	2.3	3
47	EcoQBNs: First Application of Ecological Modeling with Quantum Bayesian Networks. Entropy, 2021, 23, 441.	2.2	3
48	The scientific basis for modeling Northern Spotted Owl habitat: A response to Loehle, Irwin, Manly, and Merrill. Forest Ecology and Management, 2015, 358, 355-360.	3.2	2
49	Strategic Habitat Conservation for Beach Mice: Estimating Management Scenario Efficiencies. Journal of Wildlife Management, 2021, 85, 324-339.	1.8	2
50	Comparing Invasive Species Risk Screening Tools FISRAM, ERSS, and FISK/AS-ISK as a response to Hill et al. (2020). Management of Biological Invasions, 2020, 11, 342-355.	1.2	2
51	Population viability analysis using Bayesian networks. Environmental Modelling and Software, 2021, 147, 105242.	4.5	1
52	Nocturnal Icons of a Natural History ObserverThe House of Owls, Tony Angell. Yale University Press, New Haven & London (2015). 203 pages. ISBN-13: 978-0300203448. Hardback $20.35, Kindle $14.99 (U.S.).. Northwest Science, 2016, 90, 245-246.	0.2	0