Mark E Borsuk

List of Publications by Year
in descending order

77	4,664	109137	102304
papers	citations	35 h-index	66 g-index

79	79	79	5989
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Emerald ash borer intensifies harvest regimes on private land. Ecological Applications, 2022, 32, e2508.	1.8	3
2	Using the Theory of Planned Behavior to Understand Family Forest Ownersâ€™ Intended Responses to Invasive Forest Insects. Society and Natural Resources, 2021, 34, 1001-1018.	0.9	14
3	Compounding the Disturbance: Family Forest Owner Reactions to Invasive Forest Insects. Ecological Economics, 2020, 167, 106461.	2.9	14
4	A spatial community regression approach to exploratory analysis of ecological data. Methods in Ecology and Evolution, 2020, 11, 608-620.	2.2	3
5	Using Zillow data to value green space amenities at the neighborhood scale. Urban Forestry and Urban Greening, 2020, 56, 126794.	2.3	9
6	Potential Impacts of Insect-Induced Harvests in the Mixed Forests of New England. Forests, 2020, 11, 498.	0.9	6
7	Landowner functional types to characterize response to invasive forest insects. People and Nature, 2020, 2, 204-216.	1.7	7
8	Representing future generations in the deliberative valuation of ecosystem services. Elementa, 2020, 8, .	1.1	4
9	Effects of temperature, salinity, and sediment organic carbon on methylmercury bioaccumulation in an estuarine amphipod. Science of the Total Environment, 2019, 687, 907-916.	3.9	21
10	Gradientâ€Based Inverse Estimation for a Rainfallâ€Runoff Model. Water Resources Research, 2019, 55, 6625-6639.	1.7	9
11	Forecasting ecosystem services to guide coastal wetland rehabilitation decisions. Ecosystem Services, 2019, 39, 101007.	2.3	20
12	Aligning evidence generation and use across health, development, and environment. Current Opinion in Environmental Sustainability, 2019, 39, 81-93.	3.1	16
13	Probabilistic programming: A review for environmental modellers. Environmental Modelling and Software, 2019, 114, 40-48.	1.9	14
14	Emerging risk governance for stratospheric aerosol injection as a climate management technology. Environment Systems and Decisions, 2019, 39, 371-382.	1.9	12
15	Identifying Wetland Consolidation Using Remote Sensing in the North Dakota Prairie Pothole Region. Water Resources Research, 2018, 54, 7478-7494.	1.7	12
16	Transparent and feasible uncertainty assessment adds value to applied ecosystem services modeling. Ecosystem Services, 2018, 33, 103-109.	2.3	38
17	A novel deliberative multicriteria evaluation approach to ecosystem service valuation. Ecology and Society, 2017, 22, .	1.0	37
18	Tradeâ€offs between three forest ecosystem services across the state of New Hampshire, USA: timber, carbon, and albedo. Ecological Applications, 2016, 26, 146-161.	1.8	31

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19	Integration of ecologicalâ€“biological thresholds in conservation decision making. Conservation Biology, 2016, 30, 1173-1181.	2.4	19
20	Methods for translating narrative scenarios into quantitative assessments of land use change. Environmental Modelling and Software, 2016, 82, 7-20.	1.9	114
21	Genetic polymorphisms modify bladder cancer recurrence and survival in a <scp>USA</scp> populationâ€based prognostic study. BJU International, 2015, 115, 238-247.	1.3	27
22	Benthic and Pelagic Pathways of Methylmercury Bioaccumulation in Estuarine Food Webs of the Northeast United States. PLoS ONE, 2014, 9, e89305.	1.1	84
23	The effect of ambiguous prior knowledge on Bayesian model parameter inference and prediction. Environmental Modelling and Software, 2014, 62, 300-315.	1.9	10
24	Incorporating prior expert knowledge in learning Bayesian networks from genetic epidemiological data. , 2014, , .		3
25	Perceptions of Mercury Risk and Its Management. Human and Ecological Risk Assessment (HERA), 2014, 20, 1385-1405.	1.7	18
26	Risk mitigation and the social cost of carbon. Global Environmental Change, 2014, 24, 123-131.	3.6	27
27	Using Bayesian networks to discover relations between genes, environment, and disease. BioData Mining, 2013, 6, 6.	2.2	71
28	Selecting among five common modelling approaches for integrated environmental assessment and management. Environmental Modelling and Software, 2013, 47, 159-181.	1.9	578
29	Nuclear Repulsion Enables Division Autonomy in a Single Cytoplasm. Current Biology, 2013, 23, 1999-2010.	1.8	57
30	Innovative approaches to integrated global change modelling. Environmental Modelling and Software, 2013, 44, 1-9.	1.9	22
31	Discovering plausible energy and economic futures under global change using multidimensional scenario discovery. Environmental Modelling and Software, 2013, 44, 76-86.	1.9	54
32	The interplay between risk attitudes and low probability, high cost outcomes in climate policy analysis. Environmental Modelling and Software, 2013, 41, 176-184.	1.9	5
33	Interannual variability in the timing of New England shellfish toxicity and relationships to environmental forcing. Science of the Total Environment, 2013, 447, 255-266.	3.9	9
34	Protein Aggregation Behavior Regulates Cyclin Transcript Localization and Cell-Cycle Control. Developmental Cell, 2013, 25, 572-584.	3.1	103
35	Agent-based modeling of climate policy: An introduction to the ENGAGE multi-level model framework. Environmental Modelling and Software, 2013, 44, 62-75.	1.9	91
36	Weighted multiple testing procedures for genomic studies. BioData Mining, 2012, 5, 4.	2.2	13

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37	Bayesian networks in environmental and resource management. Integrated Environmental Assessment and Management, 2012, 8, 418-429.	1.6	131
38	A Bayesian network model for integrative river rehabilitation planning and management. Integrated Environmental Assessment and Management, 2012, 8, 462-472.	1.6	23
39	Bridging uncertain and ambiguous knowledge with imprecise probabilities. Environmental Modelling and Software, 2012, 36, 122-130.	1.9	36
40	Eliciting density ratio classes. International Journal of Approximate Reasoning, 2011, 52, 792-804.	1.9	8
41	Accounting for the risk of extreme outcomes in an integrated assessment of climate change. Energy Policy, 2010, 38, 4540-4548.	4.2	24
42	Uncertainty and risk in climate projections for the 21st century: comparing mitigation to non-intervention scenarios. Climatic Change, 2010, 103, 399-422.	1.7	17
43	Proâ€environmental behavior. Annals of the New York Academy of Sciences, 2010, 1185, 211-224.	1.8	234
44	Biomass Production in Switchgrass across the United States: Database Description and Determinants of Yield. Agronomy Journal, 2010, 102, 1158-1168.	0.9	232
45	A conserved G₁regulatory circuit promotes asynchronous behavior of nuclei sharing a common cytoplasm. Cell Cycle, 2010, 9, 3795-3803.	1.3	26
46	Improving Water Quality Assessments through a Hierarchical Bayesian Analysis of Variability. Environmental Science & Technology, 2010, 44, 7858-7864.	4.6	17
47	A Smoothing Algorithm for Estimating Stochastic, Continuous Time Model Parameters and its Application to a Simple Climate Model. Journal of the Royal Statistical Society Series C: Applied Statistics, 2009, 58, 679-704.	0.5	19
48	A software tool for translating deterministic model results into probabilistic assessments of water quality standard compliance. Environmental Modelling and Software, 2009, 24, 1257-1262.	1.9	14
49	Identifying functional groups of phytoplankton using data from three lakes of different trophic state. Aquatic Sciences, 2008, 70, 30-46.	0.6	38
50	An Assessment of Fecal Indicator Bacteria-Based Water Quality Standards. Environmental Science & Technology, 2008, 42, 4676-4682.	4.6	41
51	Charting a Path for Innovative Toilet Technology Using Multicriteria Decision Analysis. Environmental Science & Technology, 2008, 42, 1855-1862.	4.6	36
52	Estrogenic Endocrine Disruption in Switzerland: Assessment of Fish Exposure and Effects. Chimia, 2008, 62, 376.	0.3	23
53	Robust Bayesian Uncertainty Analysis of Climate System Properties Using Markov Chain Monte Carlo Methods. Journal of Climate, 2007, 20, 1239-1254.	1.2	78
54	Relating Atrazine Degradation Rate in Soil to Environmental Conditions:Â Implications for Global Fate Modeling. Environmental Science & Technology, 2007, 41, 2840-2846.	4.6	28

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55	Concepts of decision support for river rehabilitation. Environmental Modelling and Software, 2007, 22, 188-201.	1.9	107
56	Predicting joint frequency distributions of depth and velocity for instream habitat assessment. River Research and Applications, 2007, 23, 287-302.	0.7	50
57	Approaches to Evaluate Water Quality Model Parameter Uncertainty for Adaptive TMDL Implementation¹. Journal of the American Water Resources Association, 2007, 43, 1499-1507.	1.0	40
58	The economic impacts of river rehabilitation: A regional Inputâ€“Output analysis. Ecological Economics, 2007, 62, 341-351.	2.9	23
59	Assessing the decline of brown trout (Salmo trutta) in Swiss rivers using a Bayesian probability network. Ecological Modelling, 2006, 192, 224-244.	1.2	144
60	Does high forecast uncertainty preclude effective decision support?. Environmental Modelling and Software, 2005, 20, 991-1001.	1.9	78
61	Predictive Assessment of Fish Health and Fish Kills in the Neuse River Estuary Using Elicited Expert Judgment. Human and Ecological Risk Assessment (HERA), 2004, 10, 415-434.	1.7	27
62	Confounding Effect of Flow on Estuarine Response to Nitrogen Loading. Journal of Environmental Engineering, ASCE, 2004, 130, 605-614.	0.7	63
63	A Bayesian network of eutrophication models for synthesis, prediction, and uncertainty analysis. Ecological Modelling, 2004, 173, 219-239.	1.2	392
64	On Monte Carlo methods for Bayesian inference. Ecological Modelling, 2003, 159, 269-277.	1.2	144
65	Comparison of Estuarine Water Quality Models for Total Maximum Daily Load Development in Neuse River Estuary. Journal of Water Resources Planning and Management - ASCE, 2003, 129, 307-314.	1.3	103
66	Assessing TMDL Effectiveness Using Flow-Adjusted Concentrations:Â A Case Study of the Neuse River, North Carolina. Environmental Science & Technology, 2003, 37, 2043-2050.	4.6	38
67	Integrated Approach to Total Maximum Daily Load Development for Neuse River Estuary using Bayesian Probability Network Model (Neu-BERN). Journal of Water Resources Planning and Management - ASCE, 2003, 129, 271-282.	1.3	82
68	Stakeholder values in decision support for river rehabilitation.. Large Rivers, 2003, 15, 491-505.	0.0	15
69	ADAPTIVE IMPLEMENTATION OF TMDLS USING BAYESIAN ANALYSIS. Proceedings of the Water Environment Federation, 2002, 2002, 698-709.	0.0	1
70	Predicting the Frequency of Water Quality Standard Violations:â€‰ A Probabilistic Approach for TMDL Development. Environmental Science & Technology, 2002, 36, 2109-2115.	4.6	116
71	A survival model of the effects of bottom-water hypoxia on the population density of an estuarine clam (Macoma balthica). Canadian Journal of Fisheries and Aquatic Sciences, 2002, 59, 1266-1274.	0.7	31
72	A Bayesian hierarchical model to predict benthic oxygen demand from organic matter loading in estuaries and coastal zones. Ecological Modelling, 2001, 143, 165-181.	1.2	138

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73	Long-term changes in watershed nutrient inputs and riverine exports in the Neuse River, North Carolina. Water Research, 2001, 35, 1489-1499.	5.3	136
74	Modelling Oxygen Dynamics in an Intermittently Stratified Estuary: Estimation of Process Rates Using Field Data. Estuarine, Coastal and Shelf Science, 2001, 52, 33-49.	0.9	107
75	Stakeholder Values and Scientific Modeling in the Neuse River Watershed. Group Decision and Negotiation, 2001, 10, 355-373.	2.0	105
76	Bayesian parameter estimation in a mixed-order model of BOD decay. Water Research, 2000, 34, 1830-1836.	5.3	54
77	Seasonal and Long-Term Nutrient Trend Decomposition along a Spatial Gradient in the Neuse River Watershed. Environmental Science & Technology, 2000, 34, 4474-4482.	4.6	70