Andrew P Robinson

List of Publications by Year
in descending order

90 papers	2,277 citations	218677 26 h-index	233421 45 g-index
96 all docs	96 docs citations	96 times ranked	2976 citing authors

#	Article	IF	Citations
1	A field experiment characterizing variable detection rates during plant surveys. Conservation Biology, 2022, 36, .	4.7	11
2	Arthropods on imported plant products: Volumes predict general trends while contextual details enhance predictive power. Ecological Applications, 2022, , e2554.	3.8	1
3	Co‐designing and building an expert‐elicited non‐parametric Bayesian network model: demonstrating a methodology using a *Bonamia Ostreae* spread risk case study. Risk Analysis, 2022, 42, 1235-1254.	2.7	4
4	Assessing the quality of offshore Binomial sampling biosecurity inspections using onshore inspections. Ecological Applications, 2022, 32, e2595.	3.8	3
5	Are Experts Well-Calibrated? An Equivalence-Based Hypothesis Test. Entropy, 2022, 24, 757.	2.2	1
6	Estimating Consignment‐Level Infestation Rates from the Proportion of Consignment that Failed Border Inspection: Possibilities and Limitations in the Presence of Overdispersed Data. Risk Analysis, 2021, 41, 992-1003.	2.7	4
7	Automating the assessment of biofouling in images using expert agreement as a gold standard. Scientific Reports, 2021, 11, 2739.	3.3	13
8	Approaches for estimating benefits and costs of interventions in plant biosecurity across invasion phases. Ecological Applications, 2021, 31, e02319.	3.8	12
9	Meta-Modelling to Quantify Yields of White Spruce and Hybrid Spruce Provenances in the Canadian Boreal Forest. Forests, 2020, 11, 609.	2.1	1
10	Working with government – innovative approaches to evidence-based policy-making. , 2020, , 216-229.		3
11	Higher Snowfall Intensity is Associated with Reduced Impacts of Warming Upon Winter Snow Ablation. Geophysical Research Letters, 2020, 47, e2019GL086409.	4.0	9
12	Spatial and temporal dynamics of habitat availability and stability for a critically endangered arboreal marsupial: implications for conservation planning in a fire-prone landscape. Landscape Ecology, 2020, 35, 1553-1570.	4.2	14
13	The impact of pooling samples on surveillance sensitivity for the megalocytivirus *Infectious spleen and kidney necrosis virus*. Transboundary and Emerging Diseases, 2019, 66, 2318-2328.	3.0	13
14	Interval-Based Hypothesis Testing and Its Applications to Economics and Finance. Econometrics, 2019, 7, 21.	0.9	8
15	Testing Simulation Models Using Frequentist Statistics. Simulation Foundations, Methods and Applications, 2019, , 465-496.	0.1	1
16	How do you find the green sheep? A critical review of the use of remotely sensed imagery to detect and count animals. Methods in Ecology and Evolution, 2018, 9, 881-892.	5.2	72
17	Bias‐Corrected Estimation in Continuous Sampling Plans. Risk Analysis, 2018, 38, 177-193.	2.7	1
18	When Does Poor Governance Presage Biosecurity Risk?. Risk Analysis, 2018, 38, 653-665.	2.7	2

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19	Risk factors for fouling biomass: evidence from small vessels in Australia. Biofouling, 2018, 34, 1032-1045.	2.2	6
20	Does Size Matter to Models? Exploring the Effect of Herd Size on Outputs of a Herd-Level Disease Spread Simulator. Frontiers in Veterinary Science, 2018, 5, 78.	2.2	7
21	Predicting farm-level animal populations using environmental and socioeconomic variables. Preventive Veterinary Medicine, 2017, 145, 121-132.	1.9	8
22	Biosecurity risk factors presented by international vessels: a statistical analysis. Biological Invasions, 2017, 19, 2837-2850.	2.4	10
23	The Allometric Quarter-Power Scaling Model and Its Applicability to Grand Fir and Eucalyptus Trees. Journal of Agricultural, Biological, and Environmental Statistics, 2017, 22, 562-584.	1.4	1
24	Species distribution models: A comparison of statistical approaches for livestock and disease epidemics. PLoS ONE, 2017, 12, e0183626.	2.5	25
25	Indigenous Australian household structure: a simple data collection tool and implications for close contact transmission of communicable diseases. PeerJ, 2017, 5, e3958.	2.0	33
26	Measuring the Inspectorate: Point and Interval Estimates for Performance Indicators. Journal of Agricultural, Biological, and Environmental Statistics, 2016, 21, 382-401.	1.4	0
27	A simple way to incorporate uncertainty and risk into forest harvest scheduling. Forest Ecology and Management, 2016, 359, 11-18.	3.2	10
28	Red Letters and Where They Are Going. , 2015, , .		0
29	Aryloxyalkanoate Dioxygenase-12 Soybean Protein Expression. Weed Science, 2015, 63, 229-234.	1.5	0
30	United, we stand: Combining cross-governmental data resources to refine border activities. , 2015, , .		0
31	Response of Aryloxyalkanoate Dioxygenase-12 Transformed Soybean Yield Components to Postemergence 2,4-D. Weed Science, 2015, 63, 242-247.	1.5	9
32	A new method for measuring stand sapwood area in forests. Ecohydrology, 2015, 8, 504-517.	2.4	7
33	Chemotherapy for Late-Stage Cancer Patients: Meta-Analysis of Complete Response Rates. F1000Research, 2015, 4, 232.	1.6	24
34	Comparison of Four Bootstrap-Based Interval Estimators of Species Occupancy and Detection Probabilities. Australian and New Zealand Journal of Statistics, 2013, 55, 235-252.	0.9	10
35	Response of Soybean Yield Components to 2,4-D. Weed Science, 2013, 61, 68-76.	1.5	24
36	Response of Glyphosate-Tolerant Soybean Yield Components to Dicamba Exposure. Weed Science, 2013, 61, 526-536.	1.5	50

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37	A Novel Spore Collection Device for Sampling Exposure Pathways: A Case Study of <i>Puccinia psidii</i>. Plant Disease, 2013, 97, 828-834.	1.4	7
38	Modeling mensurational relationships of plantation-grown loblolly pine (Pinus taeda L.) in Uruguay. Forest Ecology and Management, 2013, 289, 455-462.	3.2	10
39	Improving decisions for invasive species management: reformulation and extensions of the <scp>P</scp>anettaâ€"<scp>L</scp>awes eradication graph. Diversity and Distributions, 2013, 19, 603-607.	4.1	16
40	Timeâ€Series Models for Border Inspection Data. Risk Analysis, 2013, 33, 2142-2153.	2.7	1
41	Summer Annual Weed Control with 2,4-D and Glyphosate. Weed Technology, 2012, 26, 657-660.	0.9	48
42	Confidence Intervals for the Weighted Sum of Two Independent Binomial Proportions. Australian and New Zealand Journal of Statistics, 2012, 54, 281-299.	0.9	7
43	Heightâ€growth response to climatic changes differs among populations of Douglasâ€fir: a novel analysis of historic data. Ecological Applications, 2012, 22, 154-165.	3.8	134
44	POSSIBILITIES AND LIMITATIONS OF USING HISTORIC PROVENANCE TESTS TO INFER FOREST SPECIES GROWTH RESPONSES TO CLIMATE CHANGE. Natural Resource Modelling, 2012, 25, 409-433.	2.0	50
45	Fitting forestry models using generalized additive models: a taper model example. Canadian Journal of Forest Research, 2011, 41, 1909-1916.	1.7	28
46	Penalized regression techniques for prediction: a case study for predicting tree mortality using remotely sensed vegetation indicesThis article is one of a selection of papers from Extending Forest Inventory and Monitoring over Space and Time.. Canadian Journal of Forest Research, 2011, 41, 24-34.	1.7	27
47	Allocating surveillance resources to reduce ecological invasions: maximizing detections and information about the threat. , 2011, 21, 1410-1417.		25
48	Forest Analytics with R. , 2011, , .		24
49	Quantifying stem growth loss at the tree-level in a Pinus radiata plantation to repeated attack by the aphid, Essigella californica. Forest Ecology and Management, 2011, 261, 120-127.	3.2	21
50	An alternative objective function for fitting regression trees to functional response variables. Computational Statistics and Data Analysis, 2011, 55, 2557-2567.	1.2	2
51	Extracting LiDAR indices to characterise multilayered forest structure using mixture distribution functions. Remote Sensing of Environment, 2011, 115, 573-585.	11.0	71
52	Shapes of ballistic seed dispersal distributions: a comparison of Oxalis corniculata with a theoretical model. Weed Research, 2010, 50, 631-637.	1.7	5
53	The functional regression tree method for diameter distribution modelling. Canadian Journal of Forest Research, 2010, 40, 1870-1877.	1.7	2
54	Flatland in flames: a two-dimensional crown fire propagation model. International Journal of Wildland Fire, 2009, 18, 527.	2.4	3

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55	A cross-comparison of field, spectral, and lidar estimates of forest canopy cover. Canadian Journal of Remote Sensing, 2009, 35, 447-459.	2.4	89
56	Reducing variability of crossvalidation for smoothing-parameter choice. Biometrika, 2009, 96, 175-186.	2.4	30
57	Forecasting tree mortality using change metrics derived from MODIS satellite data. Forest Ecology and Management, 2009, 258, 1166-1173.	3.2	62
58	CRP identifies homeostatic immune oscillations in cancer patients: a potential treatment targeting tool?. Journal of Translational Medicine, 2009, 7, 102.	4.4	88
59	Survey Indicators for Pygmy Rabbits: Temporal Trends of Burrow Systems and Pellets. Western North American Naturalist, 2009, 69, 426-436.	0.4	22
60	Accuracy and equivalence testing of crown ratio models and assessment of their impact on diameter growth and basal area increment predictions of two variants of the Forest Vegetation Simulator. Canadian Journal of Forest Research, 2009, 39, 655-665.	1.7	54
61	Analysis of High Yielding, Early-Planted Soybean in Indiana. Agronomy Journal, 2009, 101, 131-139.	1.8	68
62	Correcting for spatial autocorrelation in sequential sampling. Journal of Applied Ecology, 2008, 45, 1221-1227.	4.0	1
63	Sudden and sustained response of *Acacia koa* crop trees to crown release in stagnant stands. Canadian Journal of Forest Research, 2008, 38, 656-666.	1.7	7
64	The impacts of large-scale, low-intensity fires on the forests of continental South-east Asia. International Journal of Wildland Fire, 2008, 17, 782.	2.4	34
65	A validation and evaluation of the Prognosis individual-tree basal area increment model. Canadian Journal of Forest Research, 2007, 37, 1438-1449.	1.7	22
66	A hierarchical analysis of stand structure, composition, and burn patterns as indicators of stand age in an Engelmann spruce – subalpine fir forest. Canadian Journal of Forest Research, 2007, 37, 884-894.	1.7	2
67	Description and test of a simple process-based model of forest growth for mixed-species stands. Ecological Modelling, 2007, 203, 297-311.	2.5	26
68	Spatial patterns on the sagebrush steppe/Western juniper ecotone. Plant Ecology, 2007, 190, 159-173.	1.6	23
69	The impact of time and field conditions on brown bear (Ursus arctos) faecal DNA amplification. Conservation Genetics, 2007, 8, 1219-1224.	1.5	128
70	Quality of Stockpiled Pasture and Hay Forages. Forage and Grazinglands, 2007, 5, 1-11.	0.2	1
71	Critical period of interspecific competition for four northern conifers: 10-year growth response and associated vegetation dynamics. Canadian Journal of Forest Research, 2006, 36, 2474-2485.	1.7	43
72	A Bayesian strategy for combining predictions from empirical and process-based models. Ecological Modelling, 2006, 190, 287-298.	2.5	15

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73	Estimating leaf-level parameters for ecosystem process models: a study in mixed conifer canopies on complex terrain. Tree Physiology, 2005, 25, 1347-1359.	3.1	17
74	A regression-based equivalence test for model validation: shifting the burden of proof. Tree Physiology, 2005, 25, 903-913.	3.1	128
75	Marine nitrogen in central Idaho riparian forests: evidence from stable isotopes. Canadian Journal of Fisheries and Aquatic Sciences, 2005, 62, 518-526.	1.4	27
76	Model validation using equivalence tests. Ecological Modelling, 2004, 176, 349-358.	2.5	159
77	The relationship between effective plant area index and Landsat spectral response across elevation, solar insolation, and spatial scales in a northern Idaho forest. Canadian Journal of Forest Research, 2004, 34, 465-480.	1.7	40
78	Preserving correlation while modelling diameter distributions. Canadian Journal of Forest Research, 2004, 34, 221-232.	1.7	28
79	Imputing missing height measures using a mixed-effects modeling strategy. Canadian Journal of Forest Research, 2004, 34, 2492-2500.	1.7	62
80	Description and validation of a hybrid model of forest growth and stand dynamics for the Great Lakes region. Ecological Modelling, 2003, 170, 73-104.	2.5	26
81	Leaf area index inferred from solar beam transmission in mixed conifer forests on complex terrain. Agricultural and Forest Meteorology, 2003, 118, 221-236.	4.8	52
82	Criteria for comparing the adaptability of forest growth models. Forest Ecology and Management, 2003, 172, 53-67.	3.2	37
83	Bias in the mean tree model as a consequence of Jensen's inequality. Forest Ecology and Management, 2003, 186, 373-380.	3.2	28
84	Using the Variagraph to Test Lack of Fit of a Parametric Regression Model Without Replication. Communications in Statistics Part B: Simulation and Computation, 2003, 32, 733-745.	1.2	1
85	The consequences of hierarchy for modeling in forest ecosystems. Canadian Journal of Forest Research, 2000, 30, 1837-1846.	1.7	43
86	Sequential sampling of normal and non-normal populations. Canadian Journal of Forest Research, 1998, 28, 660-664.	1.7	1
87	Development and testing of regeneration imputation models for forests in Minnesota. Forest Ecology and Management, 1997, 94, 129-140.	3.2	25
88	Tools for Designing and Evaluating Post- Border Surveillance Systems. , 0, , 17-52.		1
89	ï»¿Biosecurity and post-arrival pathways in New Zealand: relating alien organism detections to tourism indicators. NeoBiota, 0, 71, 51-69.	1.0	6
90	ï»¿Modelling the likelihood of entry of marine non-indigenous species from internationally arriving vessels to maritime ports: a case study using New Zealand data. NeoBiota, 0, 72, 183-203.	1.0	1