Andrew P Robinson

List of Publications by Year
in descending order

90	2,277	218677	233421
papers	citations	26 h-index	45 g-index

96	96	96	2976
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Model validation using equivalence tests. Ecological Modelling, 2004, 176, 349-358.	2.5	159
2	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
3	A regression-based equivalence test for model validation: shifting the burden of proof. Tree Physiology, 2005, 25, 903-913.	3.1	128
4	The impact of time and field conditions on brown bear (Ursus arctos) faecal DNA amplification. Conservation Genetics, 2007, 8, 1219-1224.	1.5	128
5	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
6	CRP identifies homeostatic immune oscillations in cancer patients: a potential treatment targeting tool?. Journal of Translational Medicine, 2009, 7, 102.	4.4	88
7	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
8	Extracting LiDAR indices to characterise multilayered forest structure using mixture distribution functions. Remote Sensing of Environment, 2011, 115, 573-585.	11.0	71
9	Analysis of High Yielding, Earlyâ€Planted Soybean in Indiana. Agronomy Journal, 2009, 101, 131-139.	1.8	68
10	Imputing missing height measures using a mixed-effects modeling strategy. Canadian Journal of Forest Research, 2004, 34, 2492-2500.	1.7	62
11	Forecasting tree mortality using change metrics derived from MODIS satellite data. Forest Ecology and Management, 2009, 258, 1166-1173.	3.2	62
12	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
13	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
14	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
15	Response of Glyphosate-Tolerant Soybean Yield Components to Dicamba Exposure. Weed Science, 2013, 61, 526-536.	1.5	50
16	Summer Annual Weed Control with 2,4-D and Glyphosate. Weed Technology, 2012, 26, 657-660.	0.9	48
17	The consequences of hierarchy for modeling in forest ecosystems. Canadian Journal of Forest Research, 2000, 30, 1837-1846.	1.7	43
18	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

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19	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
20	Criteria for comparing the adaptability of forest growth models. Forest Ecology and Management, 2003, 172, 53-67.	3.2	37
21	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
22	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
23	Reducing variability of crossvalidation for smoothing-parameter choice. Biometrika, 2009, 96, 175-186.	2.4	30
24	Bias in the mean tree model as a consequence of Jensenâ€™s inequality. Forest Ecology and Management, 2003, 186, 373-380.	3.2	28
25	Preserving correlation while modelling diameter distributions. Canadian Journal of Forest Research, 2004, 34, 221-232.	1.7	28
26	Fitting forestry models using generalized additive models: a taper model example. Canadian Journal of Forest Research, 2011, 41, 1909-1916.	1.7	28
27	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
28	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
29	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
30	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
31	Development and testing of regeneration imputation models for forests in Minnesota. Forest Ecology and Management, 1997, 94, 129-140.	3.2	25
32	Allocating surveillance resources to reduce ecological invasions: maximizing detections and information about the threat. , 2011, 21, 1410-1417.		25
33	Species distribution models: A comparison of statistical approaches for livestock and disease epidemics. PLoS ONE, 2017, 12, e0183626.	2.5	25
34	Forest Analytics with R. , 2011, , .		24
35	Response of Soybean Yield Components to 2,4-D. Weed Science, 2013, 61, 68-76.	1.5	24
36	Chemotherapy for Late-Stage Cancer Patients: Meta-Analysis of Complete Response Rates. F1000Research, 2015, 4, 232.	1.6	24

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37	Spatial patterns on the sagebrush steppe/Western juniper ecotone. Plant Ecology, 2007, 190, 159-173.	1.6	23
38	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
39	Survey Indicators for Pygmy Rabbits: Temporal Trends of Burrow Systems and Pellets. Western North American Naturalist, 2009, 69, 426-436.	0.4	22
40	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
41	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
42	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
43	A Bayesian strategy for combining predictions from empirical and process-based models. Ecological Modelling, 2006, 190, 287-298.	2.5	15
44	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
45	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
46	Automating the assessment of biofouling in images using expert agreement as a gold standard. Scientific Reports, 2021, 11, 2739.	3.3	13
47	Approaches for estimating benefits and costs of interventions in plant biosecurity across invasion phases. Ecological Applications, 2021, 31, e02319.	3.8	12
48	A field experiment characterizing variable detection rates during plant surveys. Conservation Biology, 2022, 36, .	4.7	11
49	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
50	Modeling mensurational relationships of plantation-grown loblolly pine (Pinus taeda L.) in Uruguay. Forest Ecology and Management, 2013, 289, 455-462.	3.2	10
51	A simple way to incorporate uncertainty and risk into forest harvest scheduling. Forest Ecology and Management, 2016, 359, 11-18.	3.2	10
52	Biosecurity risk factors presented by international vessels: a statistical analysis. Biological Invasions, 2017, 19, 2837-2850.	2.4	10
53	Response of Aryloxyalkanoate Dioxygenase-12 Transformed Soybean Yield Components to Postemergence 2,4-D. Weed Science, 2015, 63, 242-247.	1.5	9
54	Higher Snowfall Intensity is Associated with Reduced Impacts of Warming Upon Winter Snow Ablation. Geophysical Research Letters, 2020, 47, e2019GL086409.	4.0	9

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55	Predicting farm-level animal populations using environmental and socioeconomic variables. Preventive Veterinary Medicine, 2017, 145, 121-132.	1.9	8
56	Interval-Based Hypothesis Testing and Its Applications to Economics and Finance. Econometrics, 2019, 7, 21.	0.9	8
57	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
58	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
59	A Novel Spore Collection Device for Sampling Exposure Pathways: A Case Study of Puccinia psidii. Plant Disease, 2013, 97, 828-834.	1.4	7
60	A new method for measuring stand sapwood area in forests. Ecohydrology, 2015, 8, 504-517.	2.4	7
61	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
62	Risk factors for fouling biomass: evidence from small vessels in Australia. Biofouling, 2018, 34, 1032-1045.	2.2	6
63	ï»¿Biosecurity and post-arrival pathways in New Zealand: relating alien organism detections to tourism indicators. NeoBiota, 0, 71, 51-69.	1.0	6
64	Shapes of ballistic seed dispersal distributions: a comparison of Oxalis corniculata with a theoretical model. Weed Research, 2010, 50, 631-637.	1.7	5
65	Estimating Consignmentâ€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
66	Coâ€designing and building an expertâ€elicited nonâ€parametric Bayesian network model: demonstrating a methodology using aBonamia Ostreaespread risk case study. Risk Analysis, 2022, 42, 1235-1254.	2.7	4
67	Flatland in flames: a two-dimensional crown fire propagation model. International Journal of Wildland Fire, 2009, 18, 527.	2.4	3
68	Working with government â€“ innovative approaches to evidence-based policy-making. , 2020, , 216-229.		3
69	Assessing the quality of offshore <scp>Binomial</scp> sampling biosecurity inspections using onshore inspections. Ecological Applications, 2022, 32, e2595.	3.8	3
70	A hierarchical analysis of stand structure, composition, and burn patterns as indicators of stand age in an Engelmann spruce â€“ subalpine fir forest. Canadian Journal of Forest Research, 2007, 37, 884-894.	1.7	2
71	The functional regression tree method for diameter distribution modelling. Canadian Journal of Forest Research, 2010, 40, 1870-1877.	1.7	2
72	An alternative objective function for fitting regression trees to functional response variables. Computational Statistics and Data Analysis, 2011, 55, 2557-2567.	1.2	2

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73	When Does Poor Governance Presage Biosecurity Risk?. Risk Analysis, 2018, 38, 653-665.	2.7	2
74	Sequential sampling of normal and non-normal populations. Canadian Journal of Forest Research, 1998, 28, 660-664.	1.7	1
75	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
76	Correcting for spatial autocorrelation in sequential sampling. Journal of Applied Ecology, 2008, 45, 1221-1227.	4.0	1
77	Timeâ€Series Models for Border Inspection Data. Risk Analysis, 2013, 33, 2142-2153.	2.7	1
78	Tools for Designing and Evaluating Post- Border Surveillance Systems. , 0, , 17-52.		1
79	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
80	Biasâ€Corrected Estimation in Continuous Sampling Plans. Risk Analysis, 2018, 38, 177-193.	2.7	1
81	Meta-Modelling to Quantify Yields of White Spruce and Hybrid Spruce Provenances in the Canadian Boreal Forest. Forests, 2020, 11, 609.	2.1	1
82	Quality of Stockpiled Pasture and Hay Forages. Forage and Grazinglands, 2007, 5, 1-11.	0.2	1
83	Testing Simulation Models Using Frequentist Statistics. Simulation Foundations, Methods and Applications, 2019, , 465-496.	0.1	1
84	Arthropods on imported plant products: Volumes predict general trends while contextual details enhance predictive power. Ecological Applications, 2022, , e2554.	3.8	1
85	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
86	Are Experts Well-Calibrated? An Equivalence-Based Hypothesis Test. Entropy, 2022, 24, 757.	2.2	1
87	Red Letters and Where They Are Going. , 2015, , .		0
88	Aryloxyalkanoate Dioxygenase-12 Soybean Protein Expression. Weed Science, 2015, 63, 229-234.	1.5	0
89	United, we stand: Combining cross-governmental data resources to refine border activities. , 2015, , .		0
90	Measuring the Inspectorate: Point and Interval Estimates for Performance Indicators. Journal of Agricultural, Biological, and Environmental Statistics, 2016, 21, 382-401.	1.4	0