

Mark O Kimberley

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

2,515
citations

257450

24
h-index

214800

47
g-index

70
all docs

70
docs citations

70
times ranked

3142
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in planted forests and future global implications. <i>Forest Ecology and Management</i> , 2015, 352, 57-67.	3.2	515
2	Interception frequency of exotic bark and ambrosia beetles (Coleoptera: Scolytinae) and relationship with establishment in New Zealand and worldwide. <i>Canadian Journal of Forest Research</i> , 2006, 36, 289-298.	1.7	218
3	Nationwide survey for invasive wood-boring and bark beetles (Coleoptera) using traps baited with pheromones and kairomones. <i>Forest Ecology and Management</i> , 2006, 228, 234-240.	3.2	141
4	Effectiveness of the International Phytosanitary Standard ISPM No. 15 on Reducing Wood Borer Infestation Rates in Wood Packaging Material Entering the United States. <i>PLoS ONE</i> , 2014, 9, e96611.	2.5	137
5	Diversity and succession of adventive and indigenous vascular understorey plants in <i>Pinus radiata</i> plantation forests in New Zealand. <i>Forest Ecology and Management</i> , 2003, 185, 307-326.	3.2	123
6	Predicting how altering propagule pressure changes establishment rates of biological invaders across species pools. <i>Ecology</i> , 2014, 95, 594-601.	3.2	102
7	The influence of weed competition for light and water on growth and dry matter partitioning of young <i>Pinus radiata</i> , at a dryland site. <i>Forest Ecology and Management</i> , 2003, 183, 363-376.	3.2	70
8	Airborne scanning LiDAR in a double sampling forest carbon inventory. <i>Remote Sensing of Environment</i> , 2012, 117, 348-357.	11.0	67
9	Allometric Equations for Estimating Carbon Stocks in Natural Forest in New Zealand. <i>Forests</i> , 2012, 3, 818-839.	2.1	56
10	Economic analysis of growth response from a pine plantation forest applied with biosolids. <i>Forest Ecology and Management</i> , 2004, 189, 345-351.	3.2	54
11	Development of models to predict <i>Pinus radiata</i> productivity throughout New Zealand. <i>Canadian Journal of Forest Research</i> , 2010, 40, 488-499.	1.7	50
12	Soil CO ₂ flux dynamics in the two main plantation forest types in subtropical China. <i>Science of the Total Environment</i> , 2013, 444, 363-368.	8.0	50
13	Depletion of heterogeneous source species pools predicts future invasion rates. <i>Journal of Applied Ecology</i> , 2017, 54, 1968-1977.	4.0	49
14	Seasonal variations of nitrogen and phosphorus retention in an agricultural drainage river in East China. <i>Environmental Science and Pollution Research</i> , 2010, 17, 312-320.	5.3	41
15	Biosolids-Derived Nitrogen Mineralization and Transformation in Forest Soils. <i>Journal of Environmental Quality</i> , 2003, 32, 1851-1856.	2.0	38
16	Determining productivity gains from herbaceous vegetation management with "age-shift" calculations. <i>Forestry</i> , 2006, 79, 43-56.	2.3	38
17	Quantification of realised genetic gain in radiata pine and its incorporation into growth and yield modelling systems. <i>Canadian Journal of Forest Research</i> , 2015, 45, 1676-1687.	1.7	36
18	Indices of interspecific plant competition for <i>Pinus radiata</i> in the central north island of New Zealand. <i>Canadian Journal of Forest Research</i> , 1999, 29, 898-905.	1.7	33

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19	Decomposition of coarse woody roots and branches in managed <i>Pinus radiata</i> plantations in New Zealand – A time series approach. <i>Forest Ecology and Management</i> , 2012, 269, 116-123.	3.2	33
20	Environmental and nutritional responses of a <i>Pinus radiata</i> plantation to biosolids application. <i>Plant and Soil</i> , 2004, 267, 255-262.	3.7	32
21	Assessing prediction accuracy in a regression kriging surface of <i>Pinus radiata</i> outerwood density across New Zealand. <i>Forest Ecology and Management</i> , 2013, 308, 9-16.	3.2	30
22	Decomposition of woody debris in managed <i>Pinus radiata</i> plantations in New Zealand. <i>Forest Ecology and Management</i> , 2010, 260, 1389-1398.	3.2	29
23	Improving the Efficiency of Lepidopteran Pest Detection and Surveillance: Constraints and Opportunities for Multiple-Species Trapping. <i>Journal of Chemical Ecology</i> , 2013, 39, 50-58.	1.8	29
24	Influence of stocking on radial and longitudinal variation in modulus of elasticity, microfibril angle, and density in a 24-year-old <i>Pinus radiata</i> thinning trial. <i>Canadian Journal of Forest Research</i> , 2011, 41, 1422-1431.	1.7	27
25	Harvest residue management and fertilisation effects on soil carbon and nitrogen in a 15-year-old <i>Pinus radiata</i> plantation forest. <i>Forest Ecology and Management</i> , 2011, 262, 339-347.	3.2	27
26	Impacts of Harvest Residue Management on Soil Carbon Stocks in a Plantation Forest. <i>Soil Science Society of America Journal</i> , 2008, 72, 1621-1627.	2.2	25
27	Importance of seasonal growth patterns in modelling interactions between radiata pine and some common weed species. <i>Canadian Journal of Forest Research</i> , 2004, 34, 184-194.	1.7	24
28	Midrotation effects of biosolids application on tree growth and wood properties in a <i>Pinus radiata</i> plantation. <i>Canadian Journal of Forest Research</i> , 2006, 36, 1921-1930.	1.7	24
29	Leaf Area Index, Biomass Carbon and Growth Rate of Radiata Pine Genetic Types and Relationships with LiDAR. <i>Forests</i> , 2011, 2, 637-659.	2.1	24
30	Predicting the spatial distribution of <i>Cupressus lusitanica</i> productivity in New Zealand. <i>Forest Ecology and Management</i> , 2009, 258, 217-223.	3.2	23
31	Effect of supercritical CO ₂ treatment and kiln drying on collapse in <i>Eucalyptus nitens</i> wood. <i>European Journal of Wood and Wood Products</i> , 2020, 78, 209-217.	2.9	22
32	Testing a juvenile tree growth model sensitive to competition from weeds, using <i>Pinus radiata</i> at two contrasting sites in New Zealand. <i>Canadian Journal of Forest Research</i> , 2004, 34, 1985-1992.	1.7	20
33	Spatial prediction of optimal final stand density for even-aged plantation forests using productivity indices. <i>Canadian Journal of Forest Research</i> , 2017, 47, 527-535.	1.7	20
34	Long-term biosolids application alters the composition of soil microbial groups and nutrient status in a pine plantation. <i>Biology and Fertility of Soils</i> , 2017, 53, 799-809.	4.3	16
35	Influence of sewage and pharmaceuticals on soil microbial function. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 1086-1095.	4.3	15
36	Measuring woody debris in the small streams of New Zealand's pine plantations. <i>New Zealand Journal of Marine and Freshwater Research</i> , 1999, 33, 87-97.	2.0	14

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37	A National height-age model for <i>Pinus radiata</i> in New Zealand. <i>New Zealand Journal of Forestry Science</i> , 2013, 43, 4.	0.8	14
38	Soil carbon dynamics in successional and plantation forests in subtropical China. <i>Journal of Soils and Sediments</i> , 2017, 17, 2250-2256.	3.0	14
39	Temporal dynamics of iron-rich, tropical soil organic carbon pools after land-use change from forest to sugarcane. <i>Journal of Soils and Sediments</i> , 2009, 9, 112-120.	3.0	12
40	Effect of stem guying on the incidence of resin pockets. <i>Forest Ecology and Management</i> , 2009, 258, 1913-1917.	3.2	12
41	A Novel Approach to Modelling Stand-Level Growth of an Even-Aged Forest Using a Volume Productivity Index with Application to New Zealand-Grown Coast Redwood. <i>Forests</i> , 2021, 12, 1155.	2.1	12
42	The effects of wood on stream habitat and native fish assemblages in New Zealand. <i>Ecology of Freshwater Fish</i> , 2013, 22, 553-566.	1.4	11
43	The economic impact of optimising final stand density for structural saw log production on the value of the New Zealand plantation estate. <i>Forest Ecology and Management</i> , 2017, 406, 361-369.	3.2	11
44	Predictive modelling of supercritical CO ₂ dewatering of capillary tubes. <i>Journal of Supercritical Fluids</i> , 2019, 143, 198-204.	3.2	11
45	Impacts of forest harvest removal and fertiliser additions on end of rotation biomass, carbon and nutrient stocks of <i>Pinus radiata</i> . <i>Forest Ecology and Management</i> , 2021, 493, 119161.	3.2	11
46	Modelling the influence of weed competition on growth of young <i>Pinus radiata</i> . Development and parameterization of a hybrid model across an environmental gradient. <i>Canadian Journal of Forest Research</i> , 2007, 37, 607-616.	1.7	10
47	The Application of Stem Analysis Methods to Estimate Carbon Sequestration in Arboreal Shrubs from a Single Measurement of Field Plots. <i>Forests</i> , 2014, 5, 919-935.	2.1	10
48	Characterising prediction error as a function of scale in spatial surfaces of tree productivity. <i>New Zealand Journal of Forestry Science</i> , 2017, 47, .	0.8	10
49	Distribution of heavy metals in a sandy forest soil repeatedly amended with biosolids. <i>Soil Research</i> , 2008, 46, 502.	1.1	9
50	Effects of season and region on sapstain and wood degrade following simulated storm damage in <i>Pinus radiata</i> plantations. <i>Forest Ecology and Management</i> , 2012, 277, 81-89.	3.2	8
51	The Inventory of Carbon Stocks in New Zealand's Post-1989 Natural Forest for Reporting under the Kyoto Protocol. <i>Forests</i> , 2014, 5, 2230-2252.	2.1	8
52	Comparison of measured and modelled change in coarse woody debris carbon stocks in New Zealand's natural forest. <i>Forest Ecology and Management</i> , 2019, 434, 18-28.	3.2	8
53	Modelling and optimisation of ceramic and wood dewatering using supercritical CO ₂ . <i>Journal of Supercritical Fluids</i> , 2019, 146, 15-22.	3.2	8
54	Fungi decaying the wood of fallen beech (<i>Nothofagus</i>) trees in the South Island of New Zealand. <i>Canadian Journal of Forest Research</i> , 2019, 49, 1-17.	1.7	8

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55	Quantifying Spray Deposition from a UAV Configured for Spot Spray Applications to Individual Plants. Transactions of the ASABE, 2020, 63, 1049-1058.	1.1	8
56	Comparing volume productivity of redwood and radiata pine plantations in New Zealand. Forest Ecology and Management, 2021, 500, 119628.	3.2	8
57	Spray Application Efficiency from a Multi-Rotor Unmanned Aerial Vehicle Configured for Aerial Pesticide Application. Transactions of the ASABE, 2019, 62, 1447-1453.	1.1	7
58	Thinking outside the square: Evidence that plot shape and layout in forest inventories can bias estimates of stand metrics. Methods in Ecology and Evolution, 2019, 10, 381-388.	5.2	7
59	Early rotation biomass and nutrient accumulation of Pinus radiata forests after harvest residue management and fertiliser treatment on contrasting types of soil. Forest Ecology and Management, 2021, 496, 119426.	3.2	7
60	Potential for Cleopopus japonicus to control the weed Buddleja davidii in plantation forests in New Zealand. Forest Ecology and Management, 2011, 261, 78-83.	3.2	6
61	Decay rates of above- and below-ground coarse woody debris of common tree species in New Zealand's natural forest. Forest Ecology and Management, 2019, 438, 96-102.	3.2	6
62	Spatial comparisons of carbon sequestration for redwood and radiata pine within New Zealand. Forest Ecology and Management, 2022, 513, 120190.	3.2	6
63	Chemical properties of two soils irrigated with thermo-mechanical pulp mill effluent. Soil Research, 2005, 43, 929.	1.1	4
64	Economic Analysis of a Pine Plantation Receiving Repeated Applications of Biosolids. PLoS ONE, 2013, 8, e57705.	2.5	4
65	Influence of a Young Pinus radiata Canopy on Aerial Spray Drift. Transactions of the ASABE, 2017, 60, 1851-1861.	1.1	3
66	Debris dams as habitat for aquatic invertebrates in forested headwater streams: a large-scale field experiment. Marine and Freshwater Research, 2019, 70, 734.	1.3	3
67	Removal of virus particles, bacteria and bovine serum albumin from water by steam-exploded Pinus radiata bark. Water Research, 1995, 29, 1689-1693.	11.3	2
68	Optimising spot weed control regimes for Pinus radiata plantations. Canadian Journal of Forest Research, 2019, 49, 759-766.	1.7	2
69	Effects of competition and habitat heterogeneity on native-exotic plant richness relationships across spatial scales. Diversity and Distributions, 0, , .	4.1	2
70	Impact of nitrogen input from biosolids application on carbon sequestration in a Pinus radiata forest. Forest Ecosystems, 2022, 9, 100020.	3.1	1