

Peter W Clinton

List of Publications by Year in descending order

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97
papers

2,651
citations

172457

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223800

46
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99
all docs

99
docs citations

99
times ranked

3474
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving the Representation of Climate Change Adaptation Behaviour in New Zealand's Forest Growing Sector. <i>Land</i> , 2022, 11, 364.	2.9	6
2	Manipulation of soil methane oxidation under drought stress. <i>Science of the Total Environment</i> , 2021, 757, 144089.	8.0	10
3	Resilience achieved via multiple compensating subsystems: The immediate impacts of COVID-19 control measures on the agri-food systems of Australia and New Zealand. <i>Agricultural Systems</i> , 2021, 187, 103025.	6.1	40
4	Globally relevant lessons from a long-term trial series testing universal hypothesis of the impacts of increasing biomass removal on site productivity and nutrient pools. <i>Forest Ecology and Management</i> , 2021, 494, 119325.	3.2	10
5	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
6	Interclonal variation, coordination, and trade-offs between hydraulic conductance and gas exchange in <i>Pinus radiata</i> : consequences on plant growth and wood density. <i>Journal of Experimental Botany</i> , 2021, 72, 2419-2433.	4.8	3
7	Soil respiration negatively correlated with volume gains by a young <i>Pinus radiata</i> clone over five months. <i>Geoderma</i> , 2020, 361, 114105.	5.1	1
8	Designing future dairy systems for New Zealand using reflexive interactive design. <i>Agricultural Systems</i> , 2020, 181, 102818.	6.1	30
9	National series of long-term intensive harvesting trials in <i>Pinus radiata</i> stands in New Zealand: Initial biomass, carbon and nutrient pool data. <i>Data in Brief</i> , 2019, 27, 104757.	1.0	6
10	Field-scale variability in site conditions explain phenotypic plasticity in response to nitrogen source in <i>Pinus radiata</i> D. Don. <i>Plant and Soil</i> , 2019, 443, 353-368.	3.7	9
11	Soil extractable organic C and N contents, methanotrophic activity under warming and degradation in a Tibetan alpine meadow. <i>Agriculture, Ecosystems and Environment</i> , 2019, 278, 6-14.	5.3	21
12	Aquaporin regulation in roots controls plant hydraulic conductance, stomatal conductance, and leaf water potential in <i>Pinus radiata</i> under water stress. <i>Plant, Cell and Environment</i> , 2019, 42, 717-729.	5.7	51
13	Future expectations of forest soils: increasing productivity within environmental limits using new knowledge. <i>New Zealand Journal of Agricultural Research</i> , 2018, 61, 389-401.	1.6	8
14	Genotypic variation in <i>Pinus radiata</i> responses to nitrogen source are related to changes in the root microbiome. <i>FEMS Microbiology Ecology</i> , 2018, 94, .	2.7	6
15	Host Genotype and Nitrogen Form Shape the Root Microbiome of <i>Pinus radiata</i> . <i>Microbial Ecology</i> , 2018, 75, 419-433.	2.8	58
16	Phenotyping Whole Forests Will Help to Track Genetic Performance. <i>Trends in Plant Science</i> , 2018, 23, 854-864.	8.8	50
17	Technical note: Manipulating interactions between plant stress responses and soil methane oxidation rates. <i>Biogeosciences</i> , 2018, 15, 4125-4129.	3.3	4
18	Preface to the special issue for the 8th International Symposium on Forest Soils: Linking Soil Processes to Forest Productivity and Water Protection under Global Change. <i>Journal of Soils and Sediments</i> , 2017, 17, 2215-2217.	3.0	2

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19	Genetic parameters and clone by environment interactions for growth and foliar nutrient concentrations in radiata pine on 14 widely diverse New Zealand sites. <i>Tree Genetics and Genomes</i> , 2015, 11, 1.	1.6	17
20	New evidence indicates the coarse soil fraction is of greater relevance to plant nutrition than previously suggested. <i>Plant and Soil</i> , 2014, 374, 371-379.	3.7	10
21	The Right Tree for the Job? Perceptions of Species Suitability for the Provision of Ecosystem Services. <i>Environmental Management</i> , 2014, 53, 783-799.	2.7	13
22	Ethylene rather than dissolved organic carbon controls methane uptake in upland soils. <i>Global Change Biology</i> , 2014, 20, 2379-2380.	9.5	9
23	Coarse soil can enhance the availability of nutrients from fine soil. <i>Journal of Plant Nutrition and Soil Science</i> , 2014, 177, 848-850.	1.9	3
24	Magnesium fertilizer, weed control and clonal effects on wood stiffness of juvenile <i>Pinus radiata</i> at two contrasting sites. <i>Forest Ecology and Management</i> , 2013, 306, 128-134.	3.2	4
25	Acid hydrolysis to define a biologically-resistant pool is compromised by carbon loss and transformation. <i>Soil Biology and Biochemistry</i> , 2013, 64, 122-126.	8.8	10
26	Methane oxidation needs less stressed plants. <i>Trends in Plant Science</i> , 2013, 18, 657-659.	8.8	15
27	Effect of nitrogen and waterlogging on denitrifier gene abundance, community structure and activity in the rhizosphere of wheat. <i>FEMS Microbiology Ecology</i> , 2013, 83, 568-584.	2.7	81
28	Genotypic variation in foliar nutrient concentrations, $\delta^{13}C$, and chlorophyll fluorescence in relation to tree growth of radiata pine clones in a serpentine soil. <i>Journal of Plant Nutrition and Soil Science</i> , 2013, 176, 724-733.	1.9	11
29	A potential nutritional modifier for predicting primary productivity of <i>Pinus radiata</i> in New Zealand using a simplified radiation-use efficiency model. <i>Ciencia E Investigacion Agraria</i> , 2013, 40, 361-374.	0.2	0
30	Warming Rather Than Increased Precipitation Increases Soil Recalcitrant Organic Carbon in a Semiarid Grassland after 6 Years of Treatments. <i>PLoS ONE</i> , 2013, 8, e53761.	2.5	9
31	Biodegradation of Soluble Organic Matter as Affected by Land-Use and Soil Depth. <i>Soil Science Society of America Journal</i> , 2012, 76, 1667-1677.	2.2	21
32	Response of <i>Pinus radiata</i> to Boron Fertilization in a Glasshouse Study. <i>Communications in Soil Science and Plant Analysis</i> , 2012, 43, 1412-1426.	1.4	5
33	The influence of N and P supply and genotype on N remobilization in containerized <i>Pinus radiata</i> plants. <i>Ciencia E Investigacion Agraria</i> , 2012, 39, 505-520.	0.2	1
34	A nutrient balance model (NuBaM) to predict biomass and nitrogen pools in <i>Pinus radiata</i> forests. <i>Forest Ecology and Management</i> , 2011, 262, 270-277.	3.2	13
35	Soil C/N influences the carbon flux and partitioning in control and fertilized mini-plots of <i>Pinus radiata</i> in New Zealand. <i>Ciencia E Investigacion Agraria</i> , 2011, 38, 277-289.	0.2	6
36	Climate cues and resources interact to determine seed production by a masting species. <i>Journal of Ecology</i> , 2011, 99, 870-877.	4.0	102

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37	Long-term nitrogen additions increased surface soil carbon concentration in a forest plantation despite elevated decomposition. <i>Soil Biology and Biochemistry</i> , 2011, 43, 302-307.	8.8	56
38	Post-harvest residue management effects on recalcitrant carbon pools and plant biomarkers within the soil heavy fraction in <i>Pinus radiata</i> plantations. <i>Soil Biology and Biochemistry</i> , 2011, 43, 404-412.	8.8	34
39	Soil carbon pools, plant biomarkers and mean carbon residence time after afforestation of grassland with three tree species. <i>Soil Biology and Biochemistry</i> , 2011, 43, 1341-1349.	8.8	54
40	Impacts of plantation forest management on soil organic matter quality. <i>Journal of Soils and Sediments</i> , 2011, 11, 1309-1316.	3.0	30
41	Influence of sewage and pharmaceuticals on soil microbial function. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 1086-1095.	4.3	15
42	Legacies of organic matter removal: decreased microbial biomass nitrogen and net N mineralization in New Zealand <i>Pinus radiata</i> plantations. <i>Biology and Fertility of Soils</i> , 2010, 46, 309-316.	4.3	10
43	Influence of ammonium and nitrate supply on growth, dry matter partitioning, N uptake and photosynthetic capacity of <i>Pinus radiata</i> seedlings. <i>Trees - Structure and Function</i> , 2010, 24, 1097-1107.	1.9	32
44	Relating nutritional and physiological characteristics to growth of <i>Pinus radiata</i> clones planted on a range of sites in New Zealand. <i>Tree Physiology</i> , 2010, 30, 1174-1191.	3.1	13
45	Forms of soil phosphorus affected by stand development of mountain beech (<i>Nothofagus</i>) forests in New Zealand. <i>Geoderma</i> , 2010, 157, 228-234.	5.1	23
46	Plantation management induces long-term alterations to bacterial phytohormone production and activity in bulk soil. <i>Applied Soil Ecology</i> , 2010, 45, 310-314.	4.3	18
47	The Role of Microbial Communities in the Formation and Decomposition of Soil Organic Matter. , 2010, , 81-118.		38
48	Decomposition of <i>Nothofagus</i> wood in vitro and nutrient mobilization by fungi. <i>Canadian Journal of Forest Research</i> , 2009, 39, 2193-2202.	1.7	28
49	The influence of N and P supply and genotype on carbon flux and partitioning in potted <i>Pinus radiata</i> plants. <i>Tree Physiology</i> , 2009, 29, 857-868.	3.1	16
50	Factors impacting on pharmaceutical leaching following sewage application to land. <i>Chemosphere</i> , 2009, 74, 537-542.	8.2	47
51	Soil quality relationships with tree growth in exotic forests in New Zealand. <i>Forest Ecology and Management</i> , 2009, 258, 2326-2334.	3.2	20
52	Modelling the influence of site and weed competition on juvenile modulus of elasticity in <i>Pinus radiata</i> across broad environmental gradients. <i>Forest Ecology and Management</i> , 2009, 258, 1479-1488.	3.2	33
53	Inter-specific variation in foliar nutritional responses to disturbance by small coupe harvesting varies with landscape position. <i>Forest Ecology and Management</i> , 2009, 258, 2382-2387.	3.2	1
54	Deadwood in New Zealand's indigenous forests. <i>Forest Ecology and Management</i> , 2009, 258, 2456-2466.	3.2	28

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55	The influence of nitrogen and phosphorus supply and genotype on mesophyll conductance limitations to photosynthesis in <i>Pinus radiata</i> . <i>Tree Physiology</i> , 2009, 29, 1143-1151.	3.1	50
56	Chlorophyll fluorescence response of <i>Pinus radiata</i> clones to nitrogen and phosphorus supply. <i>Ciencia E Investigacion Agraria</i> , 2009, 36, .	0.2	7
57	Technological options for the management of biosolids. <i>Environmental Science and Pollution Research</i> , 2008, 15, 308-317.	5.3	175
58	Intraspecific changes in forest canopy allometries during self-thinning. <i>Functional Ecology</i> , 2008, 22, 460-469.	3.6	24
59	Modelling the influence of stand structural, edaphic and climatic influences on juvenile <i>Pinus radiata</i> fibre length. <i>Forest Ecology and Management</i> , 2008, 254, 166-177.	3.2	16
60	Modelling the influence of environment and stand characteristics on basic density and modulus of elasticity for young <i>Pinus radiata</i> and <i>Cupressus lusitanica</i> . <i>Forest Ecology and Management</i> , 2008, 255, 1023-1033.	3.2	15
61	Effect of boron fertiliser, weed control and genotype on foliar nutrients and tree growth of juvenile <i>Pinus radiata</i> at two contrasting sites in New Zealand. <i>Forest Ecology and Management</i> , 2008, 255, 1196-1209.	3.2	9
62	Modelling water balance in fertilised and unfertilised <i>Cupressus lusitanica</i> and <i>Pinus radiata</i> grown across an environmental gradient. <i>Forest Ecology and Management</i> , 2008, 255, 1104-1112.	3.2	3
63	Identification of key soil indicators influencing plantation productivity and sustainability across a national trial series in New Zealand. <i>Forest Ecology and Management</i> , 2008, 256, 180-190.	3.2	33
64	Postharvest organic matter removal effects on FH layer and mineral soil characteristics in four New Zealand <i>Pinus radiata</i> plantations. <i>Forest Ecology and Management</i> , 2008, 256, 558-563.	3.2	31
65	Nitrogen fertiliser effects on litter fall, FH layer and mineral soil characteristics in New Zealand <i>Pinus radiata</i> plantations. <i>Forest Ecology and Management</i> , 2008, 256, 564-569.	3.2	21
66	Fate of biuret 15N and its effect on net mineralisation of native soil N in forest soils. <i>Soil Research</i> , 2008, 46, 636.	1.1	2
67	Partitioning concurrent influences of nitrogen and phosphorus supply on photosynthetic model parameters of <i>Pinus radiata</i> . <i>Tree Physiology</i> , 2007, 27, 335-344.	3.1	30
68	Relationships between soil and foliar nutrients in young densely planted mini-plots of <i>Pinus radiata</i> and <i>Cupressus lusitanica</i> . <i>Forest Ecology and Management</i> , 2007, 240, 122-130.	3.2	18
69	Survival of <i>Escherichia coli</i> and <i>Salmonella</i> spp. after application of sewage sludge to a <i>Pinus radiata</i> forest. <i>Journal of Applied Microbiology</i> , 2007, 103, 1321-1331.	3.1	22
70	Modelling the influence of stand structural, edaphic and climatic influences on juvenile <i>Pinus radiata</i> dynamic modulus of elasticity. <i>Forest Ecology and Management</i> , 2006, 229, 136-144.	3.2	61
71	Effects of the addition of forest floor extracts on soil carbon dioxide efflux. <i>Biology and Fertility of Soils</i> , 2006, 43, 199-207.	4.3	11
72	Modelling Environmental Variation in Young's Modulus for <i>Pinus radiata</i> and Implications for Determination of Critical Buckling Height. <i>Annals of Botany</i> , 2006, 98, 765-775.	2.9	20

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73	Priming effect of biuret addition on native soil N mineralisation under laboratory conditions. <i>Soil Biology and Biochemistry</i> , 2005, 37, 1959-1961.	8.8	6
74	Effects of mixing radiata pine needles and understory litters on decomposition and nutrients release. <i>Biology and Fertility of Soils</i> , 2005, 41, 310-319.	4.3	19
75	Using natural ¹⁵ N abundances to trace the fate of waste-derived nitrogen in forest ecosystems: New Zealand case studies. <i>Isotopes in Environmental and Health Studies</i> , 2005, 41, 31-38.	1.0	8
76	Defining sustainability of plantation forests through identification of site quality indicators influencing productivity – A national view for New Zealand. <i>Forest Ecology and Management</i> , 2005, 216, 51-63.	3.2	42
77	The influence of N addition on nutrient content, leaf carbon isotope ratio, and productivity in a <i>Nothofagus</i> forest during stand development. <i>Canadian Journal of Forest Research</i> , 2004, 34, 2037-2048.	1.7	33
78	Effect of biuret on growth and nutrition of Douglas-fir (<i>Pseudotsuga menziesii</i> (Mirb) Franco) seedlings. <i>Forest Ecology and Management</i> , 2004, 192, 335-348.	3.2	10
79	Decomposition and nutrient release from radiata pine (<i>Pinus radiata</i>) coarse woody debris. <i>Forest Ecology and Management</i> , 2004, 187, 197-211.	3.2	140
80	Carbon and net nitrogen mineralisation in two forest soils amended with different concentrations of biuret. <i>Soil Biology and Biochemistry</i> , 2003, 35, 855-866.	8.8	10
81	Biomass and macro-nutrients (above- and below-ground) in a New Zealand beech (<i>Nothofagus</i>) forest ecosystem: implications for carbon storage and sustainable forest management. <i>Forest Ecology and Management</i> , 2003, 174, 281-294.	3.2	48
82	Carbon storage along a stand development sequence in a New Zealand <i>Nothofagus</i> forest. <i>Forest Ecology and Management</i> , 2003, 177, 313-321.	3.2	75
83	Biomass and morphology of <i>Pinus radiata</i> coarse root components in a sub-humid temperate silvopastoral system. <i>Forest Ecology and Management</i> , 2003, 177, 387-397.	3.2	17
84	Decomposition and nutrient dynamics of green and freshly fallen radiata pine (<i>Pinus radiata</i>) needles. <i>Forest Ecology and Management</i> , 2003, 179, 169-181.	3.2	47
85	<i>Pinus radiata</i> in a sub-humid temperate silvopastoral system: modelling of seasonal root growth. <i>Forest Ecology and Management</i> , 2003, 182, 303-313.	3.2	2
86	Above-ground biomass accumulation and nitrogen fixation of broom (<i>Cytisus scoparius</i> L.) growing with juvenile <i>Pinus radiata</i> on a dryland site. <i>Forest Ecology and Management</i> , 2003, 184, 93-104.	3.2	46
87	The influence of logs on the spatial distribution of litter-dwelling invertebrates and forest floor processes in New Zealand forests. <i>Forest Ecology and Management</i> , 2003, 184, 251-262.	3.2	52
88	Nitrogen storage and availability during stand development in a New Zealand <i>Nothofagus</i> forest. <i>Canadian Journal of Forest Research</i> , 2002, 32, 344-352.	1.7	42
89	Soil carbon protection in podocarp/hardwood forest, and effects of conversion to pasture and exotic pine forest. <i>Environmental Pollution</i> , 2002, 116, S63-S73.	7.5	44
90	Title is missing!. <i>Agroforestry Systems</i> , 2002, 55, 89-98.	2.0	10

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91	Title is missing!. Plant and Soil, 2000, 225, 213-225.	3.7	8
92	Composition and diversity of fungi on decaying logs in a New Zealand temperate beech (<i>Nothofagus</i>) forest. Canadian Journal of Forest Research, 2000, 30, 1025-1033.	1.7	42
93	Composition and diversity of fungi on decaying logs in a New Zealand temperate beech (<i>Nothofagus</i>) forest. Canadian Journal of Forest Research, 2000, 30, 1025-1033.	1.7	21
94	Nutrient composition of epigeous fungal sporocarps growing on different substrates in a New Zealand mountain beech forest. New Zealand Journal of Botany, 1999, 37, 149-153.	1.1	16
95	Transpiration rates and canopy conductance of <i>Pinus radiata</i> growing with different pasture understories in agroforestry systems. Tree Physiology, 1998, 18, 575-582.	3.1	28
96	COMMUNITY STRUCTURE AND FOREST INVASION BY AN EXOTIC HERB OVER 23 YEARS. Ecology, 1998, 79, 2071-2081.	3.2	184
97	Protecting the unseen majority: Land cover and environmental factors linked with soil bacterial communities and functions in New Zealand. New Zealand Journal of Ecology, 0, , .	1.1	1