Brent Clothier

List of Publications by Year
in descending order

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227	9,098	34105	53230
papers	citations	52 h-index	85 g-index

237	237	237	7585
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Influence of the physical properties of pumice and biochar amendments on the soilâ€™s mobile and immobile water: implications for use in saline environments. Soil Research, 2022, 60, 234-241.	1.1	1
2	Measuring and modelling nitrate fluxes in a mature commercial apple orchard. Agricultural Water Management, 2022, 263, 107410.	5.6	4
3	Variations in water-balance components and carbon stocks in poplar plantations with differing water inputs over a whole rotation: implications for sustainable forest management under climate change. Agricultural and Forest Meteorology, 2022, 320, 108958.	4.8	14
4	Evapotranspiration and crop coefficients using lysimeter measurements for food crops in the hyper-arid United Arab Emirates. Agricultural Water Management, 2022, 272, 107826.	5.6	4
5	Imaging the electrical conductivity of the soil profile and its relationships to soil water patterns and drainage characteristics. Precision Agriculture, 2021, 22, 1045-1066.	6.0	6
6	Correlation of Leaf and Root Traits of Two Angiosperm Tree Species in Northeast China under Contrasting Light and Nitrogen Availabilities. Forests, 2021, 12, 596.	2.1	0
7	The optimal tensiometer installation position for scheduling border irrigation in Populus tomentosa plantations. Agricultural Water Management, 2021, 253, 106922.	5.6	2
8	Irrigation management in poplar (Populus spp.) plantations: A review. Forest Ecology and Management, 2021, 494, 119330.	3.2	32
9	Use of either pumice or willow-based biochar amendments to decrease soil salinity under arid conditions. Environmental Technology and Innovation, 2021, 24, 101849.	6.1	10
10	An undiscovered facet of hydraulic redistribution driven by evaporationâ€”a study from aPopulus tomentosaplantation. Plant Physiology, 2021, 186, 361-372.	4.8	9
11	Effects of Increased N Deposition on Leaf Functional Traits of Four Contrasting Tree Species in Northeast China. Plants, 2020, 9, 1231.	3.5	13
12	Reporting on water productivity and economic performance at the water-food nexus. Agricultural Water Management, 2020, 237, 106123.	5.6	8
13	Hydraulic Relations and Water Use of Mediterranean Ornamental Shrubs in Containers. Journal of Horticultural Research, 2020, 28, 49-56.	0.9	2
14	Water use and irrigation requirements for date palms on commercial farms in the hyper-arid United Arab Emirates. Agricultural Water Management, 2019, 223, 105702.	5.6	7
15	Diurnal and nocturnal transpiration behaviors and their responses to groundwater-table fluctuations and meteorological factors of Populus tomentosa in the North China Plain. Forest Ecology and Management, 2019, 448, 445-456.	3.2	37
16	The historical basis and future options for native plant-species in the hyper-arid forests of Abu Dhabi. Land Use Policy, 2019, 88, 104186.	5.6	5
17	Where to monitor the soil-water potential for scheduling drip irrigation in Populus tomentosa plantations located on the North China Plain?. Forest Ecology and Management, 2019, 437, 99-112.	3.2	13
18	The blue and grey water footprints of date production in the saline and hyper-arid deserts of United Arab Emirates. Irrigation Science, 2019, 37, 657-667.	2.8	16

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19	Water requirements for irrigation with saline groundwater of three date-palm cultivars with different salt-tolerances in the hyper-arid United Arab Emirates. Agricultural Water Management, 2019, 222, 213-220.	5.6	10
20	Water use of Al Samr (Acacia tortilis) forests irrigated with saline groundwater and treated sewage effluent in the hyper-arid deserts of Abu Dhabi. Agricultural Water Management, 2019, 216, 361-364.	5.6	5
21	Estimating the extent of fire induced soil water repellency in Mediterranean environment. Geoderma, 2019, 338, 187-196.	5.1	16
22	The impact of replacing groundwater by treated sewage effluent on the irrigation requirements of Al Ghaf (Prosopis cineraria) and Al Sidr (Ziziphus spina-christi) forests in the hyper-arid deserts of Abu Dhabi. Agricultural Water Management, 2019, 214, 28-37.	5.6	8
23	Modeling soil evaporation and the response of the crop coefficient to leaf area index in mature Populus tomentosa plantations growing under different soil water availabilities. Agricultural and Forest Meteorology, 2019, 264, 125-137.	4.8	24
24	Highâ€speed photography of water drop impacts on sand and soil. European Journal of Soil Science, 2019, 70, 245-256.	3.9	11
25	Irrigation management with saline groundwater of a date palm cultivar in the hyper-arid United Arab Emirates. Agricultural Water Management, 2019, 211, 123-131.	5.6	36
26	Runoff and nutrient loss from a water-repellent soil. Geoderma, 2018, 322, 28-37.	5.1	38
27	Modelling soil-water dynamics in the rootzone of structured and water-repellent soils. Computers and Geosciences, 2018, 113, 33-42.	4.2	14
28	Influence of sampling frequency and load calculation methods on quantification of annual river nutrient and suspended solids loads. Environmental Monitoring and Assessment, 2018, 190, 78.	2.7	17
29	Water use of Al Ghaf (Prosopis cineraria) and Al Sidr (Ziziphus spina-christi) forests irrigated with saline groundwater in the hyper-arid deserts of Abu Dhabi. Agricultural Water Management, 2018, 203, 105-114.	5.6	19
30	Characterising and linking X-ray CT derived macroporosity parameters to infiltration in soils with contrasting structures. Geoderma, 2018, 313, 82-91.	5.1	54
31	Leaf Phenology Variation within the Canopy and Its Relationship with the Transpiration of Populus tomentosa under Plantation Conditions. Forests, 2018, 9, 603.	2.1	2
32	Development and analysis of the Soil Water Infiltration Global database. Earth System Science Data, 2018, 10, 1237-1263.	9.9	85
33	New Zealandâ€™s Food Waste: Estimating the Tonnes, Value, Calories and Resources Wasted. Agriculture (Switzerland), 2016, 6, 9.	3.1	32
34	Quantifying the potential contribution of soil carbon to orchard carbon footprints. Acta Horticulturae, 2016, , 461-466.	0.2	3
35	Eco-efficiency of organic and integrated kiwifruit production. Acta Horticulturae, 2016, , 447-454.	0.2	0
36	Soil-water repellency characteristic curves for soil profiles with organic carbon gradients. Geoderma, 2016, 264, 150-159.	5.1	30

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37	Effect of Biochar on Nutrient Leaching in a Young Apple Orchard. Journal of Environmental Quality, 2015, 44, 1273-1282.	2.0	34
38	Infiltration into a New Zealand Native Forest Soil. ASA Special Publication, 2015, , 13-26.	0.8	3
39	Carbon Sequestration in Kiwifruit Orchard Soils at Depth to Mitigate Carbon Emissions. Communications in Soil Science and Plant Analysis, 2015, 46, 122-136.	1.4	10
40	Effects of climate change on the delivery of soilâ€mediated ecosystem services within the primary sector in temperate ecosystems: a review and New Zealand case study. Global Change Biology, 2015, 21, 2844-2860.	9.5	36
41	Jim Oster: Scientist, editor, and inspired manager of water in irrigated agriculture. Agricultural Water Management, 2015, 157, 1-5.	5.6	0
42	Eco-efficiency as a sustainability measure for kiwifruit production in New Zealand. Journal of Cleaner Production, 2015, 106, 333-342.	9.3	61
43	Solution Scanning as a Key Policy Tool: Identifying Management Interventions to Help Maintain and Enhance Regulating Ecosystem Services. Ecology and Society, 2014, 19, .	2.3	66
44	Temporal dynamics of soil water repellency and its impact on pasture productivity. Agricultural Water Management, 2014, 143, 82-92.	5.6	21
45	A novel approach to quantify the impact of soil water repellency on run-off and solute loss. Geoderma, 2014, 221-222, 121-130.	5.1	12
46	Does biochar influence soil physical properties and soil water availability?. Plant and Soil, 2014, 376, 347-361.	3.7	347
47	The use of visible and nearâ€infrared spectroscopy for the analysis of soil water repellency. European Journal of Soil Science, 2014, 65, 360-368.	3.9	14
48	A new method to quantify how water repellency compromises soils' filtering function. European Journal of Soil Science, 2014, 65, 348-359.	3.9	8
49	Quantifying and reducing the water footprint of rain-fed potato production part II: a hydrological assessment using modelling supported by measurements. Journal of Cleaner Production, 2014, 81, 103-110.	9.3	11
50	Quantifying and reducing the water footprint of rain-fed potato production, part I: measuring the net use of blue and green water. Journal of Cleaner Production, 2014, 81, 111-119.	9.3	27
51	On the Value of Soil Resources in the Context of Natural Capital and Ecosystem Service Delivery. Soil Science Society of America Journal, 2014, 78, 685-700.	2.2	91
52	Water footprinting of agricultural products: evaluation of different protocols using a case study of New Zealand wine. Journal of Cleaner Production, 2013, 44, 159-167.	9.3	54
53	Water footprinting of agricultural products: a hydrological assessment for the water footprint of New Zealand's wines. Journal of Cleaner Production, 2013, 41, 232-243.	9.3	90
54	Advances in Soil Ecosystem Services: Concepts, Models, and Applications for Earth System Life Support. Vadose Zone Journal, 2013, 12, 1-13.	2.2	42

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55	Recap of the 2012 Kirkham Conference. CSA News, 2013, 58, 24-26.	0.0	0
56	Contact Angles of Water-repellent Porous Media Inferred by Tensiometer- TDR Probe Measurement Under Controlled Wetting and Drying Cycles. Soil Science Society of America Journal, 2013, 77, 1944-1954.	2.2	5
57	Hydropedologyâ€"A Perspective on Current Research. Vadose Zone Journal, 2013, 12, 1-3.	2.2	8
58	Australia and New Zealand Perspectives on Climate Change and Agriculture. ICP Series on Climate Change Impacts, Adaptation, and Mitigation, 2012, , 107-141.	0.4	3
59	Can minor compaction increase soil carbon sequestration? A case study in a soil under a wheel-track in an orchard. Geoderma, 2012, 183-184, 74-79.	5.1	23
60	Effect of dairy effluent on the biomass, transpiration, and elemental composition of Salix kinuyanagi Kimura. Biomass and Bioenergy, 2012, 37, 282-288.	5.7	11
61	Quantum Dot Uptake in the New Zealand Environment. Materials Science Forum, 2011, 700, 199-202.	0.3	1
62	What Is Land For?: The Food, Fuel and Climate Change Debate. Edited by MichaelÂWinter and MattÂLobey. London and Washington (DC): Earthscan. $79.95. xx + 340 + 2 pl.; ill.; index. ISBN: 978â€1â€84407â€720â€5. 2010.. Quarterly Review of Biology, 2011, 86, 342-342.	0.1	0
63	Is soil water repellency a function of soil order and proneness to drought? A survey of soils under pasture in the North Island of New Zealand. European Journal of Soil Science, 2011, 62, 765-779.	3.9	38
64	Can product water footprints indicate the hydrological impact of primary production? â€“ A case study of New Zealand kiwifruit. Journal of Hydrology, 2011, 408, 246-256.	5.4	34
65	Quantum dot transport in soil, plants, and insects. Science of the Total Environment, 2011, 409, 3237-3248.	8.0	93
66	The impact of soil carbon management and environmental conditions on N mineralization. Biology and Fertility of Soils, 2011, 47, 709-714.	4.3	12
67	The water footprint of hydroelectricity: a methodological comparison from a case study in New Zealand. Journal of Cleaner Production, 2011, 19, 1582-1589.	9.3	109
68	Hydraulic Properties and the Water-Conducting Porosity as Affected by Subsurface Compaction using Tension Infiltrometers. Soil Science Society of America Journal, 2011, 75, 822-831.	2.2	23
69	Kirkham's Legacy and Contemporary Challenges in Soil Physics Research. Soil Science Society of America Journal, 2011, 75, 1589-1601.	2.2	40
70	Investing in water for food, ecosystems, and livelihoods. Agricultural Water Management, 2010, 97, 493-494.	5.6	9
71	10.1029/95WR03616. Water Resources Research, 2010, , .	4.2	1
72	Parameter Estimation of an Adsorption Model for Describing Ionâ€Pair Adsorption. Soil Science Society of America Journal, 2009, 73, 1305-1312.	2.2	0

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73	Sulfate and Calcium Movement in an Allophanic Soilâ€"The Relevance of Ionâ€Pair Adsorption in the Soilâ€"Plant System. Communications in Soil Science and Plant Analysis, 2009, 40, 2784-2799.	1.4	1
74	Does an increase in soil organic carbon improve the filtering capacity of aggregated soils for organic pesticides? â€" A case study. Geoderma, 2009, 152, 187-193.	5.1	20
75	The effects of drought on the water use, fruit development and oil yield from young olive trees. Agricultural Water Management, 2009, 96, 1525-1531.	5.6	49
76	The impact of soil carbon management on soil macropore structure: a comparison of two apple orchard systems in New Zealand. European Journal of Soil Science, 2009, 60, 945-955.	3.9	76
77	Preferential flow and transport in soil: progress and prognosis. European Journal of Soil Science, 2008, 59, 2-13.	3.9	145
78	Chapter 3 Bioavailability: Definition, assessment and implications for risk assessment. Developments in Soil Science, 2008, , 39-51.	0.5	32
79	Chapter 1 Chemical bioavailability in terrestrial environments. Developments in Soil Science, 2008, 32, 1-6.	0.5	21
80	Chapter 26 Contaminants in the rootzone: Bioavailability, uptake and transport, and their implications for remediation. Developments in Soil Science, 2008, , 633-655.	0.5	1
81	A New Method to Quantify the Impact of Soil Carbon Management on Biophysical Soil Properties: The Example of Two Apple Orchard Systems in New Zealand. Journal of Environmental Quality, 2008, 37, 915-924.	2.0	18
82	Soil Pores. Encyclopedia of Earth Sciences Series, 2008, , 693-699.	0.1	4
83	Postharvest Performance of â€˜Pacific Roseâ„¢â€™ Apple Grown Under Partial Rootzone Drying. Hortscience: A Publication of the American Society for Hortcultural Science, 2008, 43, 952-954.	1.0	9
84	Cation influence on sulfate leaching in allophanic soils. Soil Research, 2007, 45, 49.	1.1	7
85	Poplar for the phytomanagement of boron contaminated sites. Environmental Pollution, 2007, 150, 225-233.	7.5	93
86	Reduced Irrigation Maintains Photosynthesis, Growth, Yield, and Fruit Quality in â€˜Pacific Roseâ„¢â€™ Apple. Agroecology and Sustainable Food Systems, 2007, 30, 125-136.	0.9	14
87	Simultaneous Adsorption of Calcium and Sulfate and Its Effect on Their Movement. Soil Science Society of America Journal, 2007, 71, 703-710.	2.2	11
88	The impact of CCA-treated posts in vineyards on soil and ground water. Water Science and Technology, 2007, 56, 161-168.	2.5	33
89	Sustainable development in small island developing states: Agricultural intensification, economic development, and freshwater resources management on the coral atoll of Tongatapu. Ecological Economics, 2007, 61, 456-468.	5.7	80
90	Mobility of copper, chromium and arsenic from treated timber into grapevines. Science of the Total Environment, 2007, 388, 35-42.	8.0	28

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91	Loss and Recovery of Research Investment for Applied Sciences: A Salutary Lesson from New Zealand. HortTechnology, 2007, 17, 9-13.	0.9	4
92	RESPONSE OF TOMATO TO PARTIAL ROOTZONE DRYING AND DEFICIT IRRIGATION. Revista Fitotecnia Mexicana, 2007, 30, 125.	0.1	8
93	Root uptake and transpiration: From measurements and models to sustainable irrigation. Agricultural Water Management, 2006, 86, 165-176.	5.6	95
94	History of Agricultural Water Management. Agricultural Water Management, 2006, 86, 3-8.	5.6	3
95	El NiÃ±o-Southern Oscillation determines the salinity of the freshwater lens under a coral atoll in the Pacific Ocean. Geophysical Research Letters, 2006, 33, .	4.0	20
96	Modelling nitrate and bromide leaching from sewage sludge. Soil and Tillage Research, 2006, 89, 177-184.	5.6	21
97	Transpiration of Squash Under a Tropical Maritime Climate. Plant and Soil, 2006, 280, 323-337.	3.7	3
98	Responses of â€˜Petoprideâ€™ processing tomato to partial rootzone drying at different phenological stages. Irrigation Science, 2006, 24, 203-210.	2.8	78
99	Arsenic hyperaccumulation by aquatic macrophytes in the Taupo Volcanic Zone, New Zealand. Environmental and Experimental Botany, 2006, 58, 206-215.	4.2	169
100	Leaching of copper, chromium and arsenic from treated vineyard posts in Marlborough, New Zealand. Science of the Total Environment, 2006, 364, 113-123.	8.0	37
101	Trace element accumulation by poplars and willows used for stock fodder. New Zealand Journal of Agricultural Research, 2005, 48, 489-497.	1.6	32
102	Solubility, Mobility, and Bioaccumulation of Trace Elements. , 2005, , 97-110.		10
103	Evaluation of Drainage from Passive Suction and Nonsuction Flux Meters in a Volcanic Clay Soil under Tropical Conditions. Vadose Zone Journal, 2005, 4, 1201-1209.	2.2	26
104	Data requirements for identifying macroscopic water stress parameters: A study on grapevines. Water Resources Research, 2005, 41, .	4.2	11
105	Water Relations, Growth, and Yield of Processing Tomatoes Under Partial Rootzone Drying. International Journal of Vegetable Science, 2004, 9, 31-40.	0.2	11
106	Magnetic Resonance Imaging of Hydrodynamic Dispersion in a Saturated Porous Medium. Transport in Porous Media, 2004, 54, 145-166.	2.6	20
107	Partial rootzone drying is a feasible option for irrigating processing tomatoes. Agricultural Water Management, 2004, 68, 195-206.	5.6	96
108	Prediction of Groundwater Nitrate Contamination after Closure of an Unlined Sheep Feedlot. Vadose Zone Journal, 2004, 3, 990-1006.	2.2	15

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109	Time Domain Reflectometry as an Alternative in Solute Transport Studies. , 2004, , 357-390.		0
110	Unraveling Microscale Flow and Pore Geometry. , 2004, , 253-288.		0
111	Title is missing!. Plant and Soil, 2003, 254, 415-423.	3.7	67
112	Phytoextraction: an assessment of biogeochemical and economic viability. Plant and Soil, 2003, 249, 117-125.	3.7	158
113	Estimation of nitrate retention in a Ferralsol by a transient-flow method. European Journal of Soil Science, 2003, 54, 505-516.	3.9	20
114	Drainage networks in soils. A concept to describe bypass-flow pathways. Journal of Hydrology, 2003, 272, 148-162.	5.4	31
115	Deficit irrigation and partial rootzone drying maintain fruit dry mass and enhance fruit quality in â€˜Petopridеâ€™ processing tomato (Lycopersicon esculentum, Mill.). Scientia Horticulturae, 2003, 98, 505-510.	3.6	122
116	Leaching of copper from contaminated soil following the application of EDTA. I. Repacked soil experiments and a model. Soil Research, 2003, 41, 323.	1.1	15
117	Phytoremediation: using plants as biopumps to improve degraded environments. Soil Research, 2003, 41, 599.	1.1	101
118	Modelling water uptake by a mature apple tree. Soil Research, 2003, 41, 365.	1.1	47
119	Theory and Practical Application of Heat Pulse to Measure Sap Flow. Agronomy Journal, 2003, 95, 1371-1379.	1.8	262
120	Modeling Light Interception and Transpiration of Apple Tree Canopies. Agronomy Journal, 2003, 95, 1380-1387.	1.8	56
121	Solute Movement through an Allophanic Soil. Journal of Environmental Quality, 2003, 32, 2325-2333.	2.0	26
122	Leaching of copper from contaminated soil following the application of EDTA. II. Intact core experiments and model testing. Soil Research, 2003, 41, 335.	1.1	14
123	Solute transport through a hydrophobic soil. , 2003, , 225-234.		3
124	Rootzone processes, tree water-use, and the equitable allocation of irrigation water to olives. Geophysical Monograph Series, 2002, , 337-345.	0.1	7
125	Cadmium accumulation by willow clones used for soil conservation, stock fodder, and phytoremediation. Soil Research, 2002, 40, 1331.	1.1	42
126	Horizontal and Vertical TDR Measurements of Soil Water Content and Electrical Conductivity. Soil Science Society of America Journal, 2002, 66, 735-743.	2.2	18

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127	Rapid and far-reaching transport through structured soils. Hydrological Processes, 2002, 16, 1321-1323.	2.6	4
128	The Environmental Mechanic (a tribute to J. R. Philip). Soil Research, 2001, 39, 649.	1.1	5
129	Heat-pulse measurements of sap flow in olives for automating irrigation: tests, root flow and diagnostics of water stress. Agricultural Water Management, 2001, 51, 99-123.	5.6	169
130	Tree Species for Recovering Nitrogen from Dairyâ€Farm Effluent in New Zealand. Journal of Environmental Quality, 2001, 30, 1064-1070.	2.0	8
131	An Unsaturated Transient Flow Method for Determining Solute Adsorption by Variableâ€Charge Soils. Soil Science Society of America Journal, 2001, 65, 283-290.	2.2	27
132	Measuring and modelling the transport and root uptake of chemicals in the unsaturated zone. Plant and Soil, 2001, 231, 161-174.	3.7	19
133	Cadmium adsorption by rhizobacteria: implications for New Zealand pastureland. Agriculture, Ecosystems and Environment, 2001, 87, 315-321.	5.3	53
134	Contaminant Transport in the Root Zone. , 2001, , .		4
135	Editorial - Soil research: science on the edge. Soil Research, 2001, 39, I.	1.1	1
136	Natural and induced cadmium-accumulation in poplar and willow: Implications for phytoremediation. Plant and Soil, 2000, 227, 301-306.	3.7	282
137	Water Dynamics and Nutrient Leaching through a Cropped Ferralsol in the Loyalty Islands (New) Tj ETQq1 1 0.784314 rgBT /Overlock	2.0	11
138	Root Methods. , 2000, , .		127
139	The breakdown of water repellency and solute transport through a hydrophobic soil. Journal of Hydrology, 2000, 231-232, 255-264.	5.4	105
140	A Simple Approach to Determine Reactive Solute Transport Using Time Domain Reflectometry. Soil Science Society of America Journal, 2000, 64, 12-18.	2.2	20
141	Risk Assessment of the Irrigation Requirements of Field Crops in a Maritime Climate. The Journal of Crop Improvement: Innovations in Practiceory and Research, 2000, 2, 353-377.	0.4	17
142	Water Uptake. , 2000, , 461-507.		5
143	Short rotation forestry for land treatment of effluent: a lysimeter study. Soil Research, 1999, 37, 983.	1.1	8
144	A Dielectricâ€"Water Content Relationship for Sandy Volcanic Soils in New Zealand. Soil Science Society of America Journal, 1999, 63, 777-781.	2.2	39

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145	A simple dynamic method to estimate anion retention in an unsaturated soil. Comptes Rendus De L'AcadÃ©mie Des Sciences Earth & Planetary Sciences SÃ©rie II, Sciences De La Terre Et Des PlanÃ¨tes =, 1999, 328, 759-764.	0.2	1
146	Soil Amendments Affecting Nickel and Cobalt Uptake by Berkheya coddii: Potential Use for Phytomining and Phytoremediation. Annals of Botany, 1999, 84, 689-694.	2.9	108
147	The root zone dynamics of water uptake by a mature apple tree. Plant and Soil, 1998, 206, 61-77.	3.7	121
148	Anion transport through intact soil columns during intermittent unsaturated flow. Soil and Tillage Research, 1998, 45, 147-160.	5.6	17
149	Discrimination against 13CO2 in the leaves of water stressed <Braeburn> apple. Journal of Plant Physiology, 1998, 153, 237-239.	3.5	3
150	Nitrate leaching through oxisols of the Loyalty Islands (New Caledonia) under intensified agricultural practices. Geoderma, 1998, 84, 29-43.	5.1	18
151	Infiltration from a surface point source and drip irrigation: 1. The midpoint soil water pressure. Water Resources Research, 1997, 33, 1861-1867.	4.2	25
152	Infiltration from a surface point source and drip irrigation: 2. An approximate time-dependent solution for wet-front position. Water Resources Research, 1997, 33, 1869-1874.	4.2	52
153	Seasonal Variation of Hydraulic Properties of Soils Measured using a Tension Disk Infiltrometer. Soil Science Society of America Journal, 1997, 61, 27-32.	2.2	81
154	Modelling the link between hillslope water movement and stream flow: application to a small Mediterranean forest watershed. Journal of Hydrology, 1997, 203, 11-20.	5.4	40
155	The diurnal and seasonal water relations, and composition, of `Braeburn' apple fruit under reduced plant water status. Plant Science, 1997, 126, 145-154.	3.6	29
156	The response of sap flow in apple roots to localised irrigation. Agricultural Water Management, 1997, 33, 63-78.	5.6	70
157	Cation transport during unsaturated flow through two intact soils. European Journal of Soil Science, 1997, 48, 401-410.	3.9	3
158	Cation transport during unsaturated flow through two intact soils. European Journal of Soil Science, 1997, 48, 401-410.	3.9	8
159	TDR estimation of the resident concentration of electrolyte in the soil solution. Soil Research, 1997, 35, 515.	1.1	23
160	Solute movement through undisturbed soil columns under pasture during unsaturated flow. Soil Research, 1997, 35, 1153.	1.1	13
161	ROOTS: THE BIG MOVERS OF WATER AND CHEMICAL IN SOIL. Soil Science, 1997, 162, 534-543.	0.9	141
162	Measurements of Sap Flow in the Roots, Trunk and Shoots of an Apple Tree Using Heat Pulse and Heat Balance Methods.. J Agricultural Meteorology, 1997, 53, 141-145.	1.5	3

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163	In Situ Measurement of the Solute Adsorption Isotherm Using a Disc Permeameter. Water Resources Research, 1996, 32, 771-778.	4.2	17
164	Characterizing Water and Solute Movement by Time Domain Reflectometry and Disk Permeametry. Soil Science Society of America Journal, 1996, 60, 5-12.	2.2	87
165	Anion Transport Involving Competitive Adsorption during Transient Water Flow in an Andisol. Soil Science Society of America Journal, 1996, 60, 1368-1375.	2.2	75
166	The free-water pond under a trickle source: A field test of existing theories. Irrigation Science, 1996, 16, 169-173.	2.8	7
167	Transpiration and root water uptake by olive trees. Plant and Soil, 1996, 184, 85-96.	3.7	134
168	Preharvest and storage quality of â€˜Braeburnâ€™ apple fruit grown under water deficit conditions. New Zealand Journal of Crop and Horticultural Science, 1996, 24, 159-166.	1.3	11
169	Fruit Characteristics of `Hosui' Asian Pears after Deficit Irrigation. Hortscience: A Publication of the American Society for Hortcultural Science, 1996, 31, 162.	1.0	11
170	The free-water pond under a trickle source: a field test of existing theories. Irrigation Science, 1996, 16, 169-173.	2.8	1
171	Root water uptake by kiwifruit vines following partial wetting of the root zone. Plant and Soil, 1995, 173, 317-328.	3.7	142
172	The measured mobile-water content of an unsaturated soil as a function of hydraulic regime. Soil Research, 1995, 33, 397.	1.1	45
173	Solute movement through two unsaturated soils. Soil Research, 1995, 33, 585.	1.1	25
174	Multidimensional Infiltration: Points, Furrows, Basins, Wells, and Disks. Soil Science Society of America Journal, 1995, 59, 286-292.	2.2	11
175	Deficit Irrigation in `Braeburn' Apples: Fruit Water Relations and Plant Growth. Hortscience: A Publication of the American Society for Hortcultural Science, 1995, 30, 797D-797.	1.0	0
176	Solute transport in a layered field soil: Experiments and modelling using the convection-dispersion approach. Journal of Contaminant Hydrology, 1994, 16, 339-358.	3.3	31
177	Axisymmetric Transport of Water and Solute underneath a Disk Permeameter: Experiments and Numerical Model. Soil Science Society of America Journal, 1994, 58, 696-703.	2.2	23
178	Rootzone processes and the efficient use of irrigation water. Agricultural Water Management, 1994, 25, 1-12.	5.6	121
179	Plant Water Status and Fruit Quality in `Braeburn' Apples. Hortscience: A Publication of the American Society for Hortcultural Science, 1994, 29, 1274-1278.	1.0	40
180	In Situ Measurement of the Effective Transport Volume for Solute Moving Through Soil. Soil Science Society of America Journal, 1992, 56, 733-736.	2.2	102

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