

Freeman Cook

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

2,556
citations

270111

25
h-index

223390

49
g-index

55
all docs

55
docs citations

55
times ranked

3018
citing authors

#	ARTICLE	IF	CITATIONS
1	Impacts of sugarcane (<i>Saccharum</i> sp.) soil and fertiliser management practices on nutrients and sediment in plot-scale runoff from simulated rainfall. <i>Soil and Tillage Research</i> , 2022, 216, 105259.	2.6	7
2	Solutes in runoff under simulated rainfall on fertilised sugarcane (<i>Saccharum</i> sp.) beds: Measurements and results. <i>Agriculture, Ecosystems and Environment</i> , 2021, 313, 107343.	2.5	4
3	Prolonged recovery of acid sulfate soils with sulfuric materials following severe drought: causes and implications. <i>Geoderma</i> , 2017, 308, 312-320.	2.3	29
4	Nitrous oxide emissions from grazing cattle urine patches: Bridging the gap between measurement and stakeholder requirements. <i>Environmental Modelling and Software</i> , 2016, 75, 133-152.	1.9	2
5	Acidification of floodplains due to river level decline during drought. <i>Journal of Contaminant Hydrology</i> , 2014, 161, 10-23.	1.6	37
6	Quantification of surface energy fluxes from a small water body using scintillometry and eddy covariance. <i>Water Resources Research</i> , 2014, 50, 494-513.	1.7	37
7	Upscaling from paddocks to catchments of pesticide mass and concentration in runoff. <i>Agriculture, Ecosystems and Environment</i> , 2013, 180, 136-147.	2.5	14
8	Long-term energy flux measurements over an irrigation water storage using scintillometry. <i>Agricultural and Forest Meteorology</i> , 2013, 168, 93-107.	1.9	27
9	Nitrous Oxide Dynamics in a Deep Soil-Alluvial Gravel Vadose Zone Following Nitrate Leaching. <i>Soil Science Society of America Journal</i> , 2012, 76, 1333-1346.	1.2	11
10	Sixty years of seasonal irrigation affects carbon storage in soils beneath pasture grazed by sheep. <i>Agriculture, Ecosystems and Environment</i> , 2012, 148, 29-36.	2.5	36
11	An area-dependent wind function for estimating open water evaporation using land-based meteorological data. <i>Environmental Modelling and Software</i> , 2012, 31, 76-83.	1.9	77
12	Comments on "Gas Permeability of Fractured Sandstone/Coal Samples Under Variable Confining Pressure", <i>Transport in Porous Media</i> 83:333-347, 2010. <i>Transport in Porous Media</i> , 2011, 86, 329-331.	1.2	0
13	An overview of irrigation mosaics. <i>Irrigation and Drainage</i> , 2011, 60, 454-463.	0.8	1
14	Implementation of quadratic upstream interpolation schemes for solute transport into HYDRUS-1D. <i>Environmental Modelling and Software</i> , 2011, 26, 1298-1308.	1.9	25
15	Sorptivity of Soils. <i>Encyclopedia of Earth Sciences Series</i> , 2011, , 824-826.	0.1	5
16	Steady Groundwater Flow to Drains on a Sloping Bed: Comparison of Solutions Based on Boussinesq Equation and Richards Equation. <i>Transport in Porous Media</i> , 2009, 77, 357-372.	1.2	7
17	Relationships between soil respiration and soil moisture. <i>Soil Biology and Biochemistry</i> , 2008, 40, 1013-1018.	4.2	233
18	IMPROVING TRICKLE IRRIGATION: BETTER MATCHING TRICKLE SYSTEMS DESIGN TO SOILS. <i>Acta Horticulturae</i> , 2008, , 669-677.	0.1	1

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19	Oxygen transport in soil and the vertical distribution of roots. <i>Soil Research</i> , 2007, 45, 101.	0.6	17
20	Soil water and solute movement under precision irrigation: knowledge gaps for managing sustainable root zones. <i>Irrigation Science</i> , 2007, 26, 91-100.	1.3	64
21	Determining Vertical Root and Microbial Biomass Distributions from Soil Samples. <i>Soil Science Society of America Journal</i> , 2006, 70, 728-735.	1.2	18
22	Modelling trickle irrigation: Comparison of analytical and numerical models for estimation of wetting front position with time. <i>Environmental Modelling and Software</i> , 2006, 21, 1353-1359.	1.9	33
23	Role of organic matter in framboidal pyrite oxidation. <i>Science of the Total Environment</i> , 2006, 367, 847-854.	3.9	35
24	Handling the water content discontinuity at the interface between layered soils within a numerical scheme. <i>Soil Research</i> , 2005, 43, 945.	0.6	10
25	Oxidation rate of pyrite in acid sulfate soils: in situ measurements and modelling. <i>Soil Research</i> , 2004, 42, 499.	0.6	20
26	Soil-dependent wetting from trickle emitters: implications for system design and management. <i>Irrigation Science</i> , 2003, 22, 121-127.	1.3	80
27	WetUp: a software tool to display approximate wetting patterns from drippers. <i>Irrigation Science</i> , 2003, 22, 129-134.	1.3	76
28	Analysis of soil wetting and solute transport in subsurface trickle irrigation. <i>Irrigation Science</i> , 2003, 22, 143-156.	1.3	245
29	Heating oils with fresh vegetable inclusions: modelling and measurement of heating pattern. <i>Food Research International</i> , 2003, 36, 831-842.	2.9	1
30	Oxygen Transport to Plant Roots. <i>Soil Science Society of America Journal</i> , 2003, 67, 20.	1.2	28
31	1. Field and Laboratory Studies of Acid Sulfate Soils. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2002, 128, 100-106.	0.6	11
32	2. Numerical Simulations of Water Flow and Solute Transport Applied to Acid Sulfate Soils. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2002, 128, 107-115.	0.6	19
33	An analytical model for predicting water table dynamics during drainage and evaporation. <i>Journal of Hydrology</i> , 2002, 263, 105-113.	2.3	15
34	Predicting the Shear Strength Envelope of Unsaturated Soils. <i>Geotechnical Testing Journal</i> , 2002, 25, 215-220.	0.5	37
35	Management of salinity and sodicity in a land FILTER system, for treating saline wastewater on a saline-sodic soil. <i>Soil Research</i> , 2001, 39, 1247.	0.6	20
36	Oxygen measurements in the root zone facilitated by TDR. <i>Canadian Journal of Soil Science</i> , 2000, 80, 33-41.	0.5	27

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37	Seasonal soil-surface carbon fluxes from the root systems of young <i>Pinus radiata</i> trees growing at ambient and elevated CO ₂ concentration. <i>Global Change Biology</i> , 2000, 6, 393-406.	4.2	14
38	Export of Acidity in Drainage Water from Acid Sulphate Soils. <i>Marine Pollution Bulletin</i> , 2000, 41, 319-326.	2.3	97
39	Growth, loss, and vertical distribution of <i>Pinus radiata</i> fine roots growing at ambient and elevated CO ₂ concentration. <i>Global Change Biology</i> , 1999, 5, 107-121.	4.2	51
40	Where to plant trees on cropping land for control of dryland salinity: some approximate solutions. <i>Agricultural Water Management</i> , 1999, 39, 115-133.	2.4	54
41	A model of one-dimensional steady-state carbon dioxide diffusion from soil. <i>Ecological Modelling</i> , 1998, 109, 155-164.	1.2	32
42	Chapter 2 Physical attributes of soil quality. <i>Developments in Soil Science</i> , 1997, , 21-58.	0.5	48
43	Accumulation of Cr, Pb, Cu, Ni, Zn and Cd in soil following irrigation with treated urban effluent in Australia. <i>Environmental Pollution</i> , 1996, 94, 317-323.	3.7	128
44	One-dimensional oxygen diffusion into soil with exponential respiration: analytical and numerical solutions. <i>Ecological Modelling</i> , 1995, 78, 277-283.	1.2	26
45	Changes in Infiltration and Drainage during Wastewater Irrigation of a Highly Permeable Soil. <i>Journal of Environmental Quality</i> , 1994, 23, 476-482.	1.0	35
46	Effects of gypsum slotting on the hydraulic properties of a red-brown earth. <i>Soil and Tillage Research</i> , 1994, 28, 239-252.	2.6	2
47	SIX METHODS FOR DETERMINING SORPTIVITY AND HYDRAULIC CONDUCTIVITY WITH DISC PERMEAMETERS. <i>Soil Science</i> , 1994, 157, 2-11.	0.9	54
48	CALCULATION OF HYDRAULIC CONDUCTIVITY FROM SUCTION PERMEAMETER MEASUREMENTS. <i>Soil Science</i> , 1991, 152, 321-325.	0.9	7
49	Effect of cultivation on the relationship between root length density and unsaturated hydraulic conductivity in a moderately swelling clay soil. <i>Soil Research</i> , 1989, 27, 645.	0.6	9
50	Relationship between soil respiration and soil moisture. <i>Soil Biology and Biochemistry</i> , 1983, 15, 447-453.	4.2	663
51	Influence of earthworms on some soil chemical and physical properties, and the growth of ryegrass on a soil after topsoil stripping—a pot experiment. <i>New Zealand Journal of Agricultural Research</i> , 1982, 25, 239-243.	0.9	18