Christopher J Smith

List of Publications by Year
in descending order

61	4,097	236612 25	128067 60
papers	citations	h-index	g-index

61	61	61	3922
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	<scp>¹³C</scp> methodologies for quantifying biochar stability in soil: A critique. European Journal of Soil Science, 2022, 73, .	1.8	2
2			

#	Article	IF	Citations
19	A Continental Scale Assessment of Australiaâ€™s Potential for Irrigation. Water Resources Management, 2010, 24, 1791-1817.	1.9	12
20	Crop productivity and nutrient use efficiency as affected by long-term fertilisation in North China Plain. Nutrient Cycling in Agroecosystems, 2010, 86, 105-119.	1.1	61
21	A modelling investigation into the economic and environmental values of â€˜perfectâ€™ climate forecasts for wheat production under contrasting rainfall conditions. International Journal of Climatology, 2008, 28, 255-266.	1.5	9
22	Value of historical climate knowledge, SOI-based seasonal climate forecasting and stored soil moisture at sowing in crop nitrogen management in south eastern Australia. Agricultural and Forest Meteorology, 2008, 148, 1743-1753.	1.9	28
23	Estimations of vapour pressure deficit and crop water demand in APSIM and their implications for prediction of crop yield, water use, and deep drainage. Australian Journal of Agricultural Research, 2004, 55, 1227.	1.5	53
24	Modelling the growth and water uptake function of plant root systems: a review. Australian Journal of Agricultural Research, 2004, 55, 501.	1.5	112
25	An overview of APSIM, a model designed for farming systems simulation. European Journal of Agronomy, 2003, 18, 267-288.	1.9	2,073
26	The use of Ca-modified, brown-coal-derived humates and fulvates for treatment of soil acidity. Soil Research, 2002, 40, 1171.	0.6	6
27	Use of modelling to explore the water balance of dryland farming systems in the Murray-Darling Basin, Australia. European Journal of Agronomy, 2002, 18, 159-169.	1.9	70
28	Nitrogen Balance of Effluent Irrigated Silage Cropping Systems in Southern Australia. Scientific World Journal, The, 2001, 1, 35-41.	0.8	0
29	Evaluating Chemical and Physical Indices of Nitrogen Mineralization Capacity with an Unequivocal Reference. Soil Science Society of America Journal, 2001, 65, 368-376.	1.2	86
30	Comparisons of field measurements of carbon dioxide and nitrous oxide fluxes with model simulations for a legume pasture in southeast Australia. Journal of Geophysical Research, 1997, 102, 28013-28024.	3.3	29
31	A comparison of two algorithms for estimating carbon dioxide emissions after forest clearing. Environmental Modelling and Software, 1997, 12, 187-195.	1.9	3
32	Effects of organic and inorganic calcium compounds on soil-solution pH and aluminium concentration. European Journal of Soil Science, 1995, 46, 53-63.	1.8	19
33	Marsh aggradation and sediment distribution along rapidly submerging Louisiana gulf coast. Environmental Geology and Water Sciences, 1992, 20, 57-64.	0.4	22
34	Furrow Infiltration on Nontilled Beds with Cracking Soils. Journal of Irrigation and Drainage Engineering - ASCE, 1990, 116, 714-733.	0.6	2
35	Heavy metal concentrations along the Louisiana coastal zone. Environment International, 1988, 14, 403-406.	4.8	15
36	Rejuvenated marsh and bay-bottom accretion on the rapidly subsiding coastal plain of U.S. Gulf coast: a second-order effect of the emerging Atchafalaya delta. Estuarine, Coastal and Shelf Science, 1987, 25, 381-389.	0.9	41

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37	Reduction and Oxidation of Acid Sulfate Soils of Thailand. Soil Science Society of America Journal, 1987, 51, 630-634.	1.2	15
38	Simultaneous Determination of Nitrification and Nitrate Reduction in Sedimentâ€Water Columns by Nitrateâ€15 Dilution. Journal of Environmental Quality, 1987, 16, 227-230.	1.0	16
39	Methane production in Mississippi River deltaic plain peat. Organic Geochemistry, 1986, 9, 193-197.	0.9	18
40	Sedimentation patterns in a gulf coast backbarrier marsh: Response to increasing submergence. Earth Surface Processes and Landforms, 1986, 11, 485-490.	1.2	17
41	Fate of Ammonium in a Gulf Coast Estuarine Sediment. Journal of Environmental Quality, 1986, 15, 293-297.	1.0	2
42	Fate of Riverine Nitrate Entering an Estuary: I. Denitrification and Nitrogen Burial. Estuaries and Coasts, 1985, 8, 15.	1.7	66
43	Release of Nutrients and Metals Following Oxidation of Freshwater and Saline Sediment. Journal of Environmental Quality, 1985, 14, 164-168.	1.0	55
44	Recovery of added 15N-labelled ammonium-N from Louisiana Gulf Coast estuarine sediment. Estuarine, Coastal and Shelf Science, 1985, 21, 225-233.	0.9	8
45	Effect of rice plants on nitrification-denitrification loss of nitrogen under greenhouse conditions. Plant and Soil, 1984, 79, 287-290.	1.8	23
46	Effect of sediment moisture on carbon dioxide exchange inSpartina alterniflora. Plant and Soil, 1984, 79, 291-293.	1.8	6
47	Influence of the rhizosphere of Spartina alterniflora Loisel. On nitrogen loss from a Louisiana Gulf Coast salt marsh. Environmental and Experimental Botany, 1984, 24, 91-93.	2.0	11
48	Effect of oil on salt marsh biota: Methods for restoration. Environmental Pollution Series A, Ecological and Biological, 1984, 36, 207-227.	0.8	46
49	The effect of sediment redox potential on nitrogen uptake, anaerobic root respiration and growth of Spartina alterniflora loisel. Aquatic Botany, 1984, 18, 223-230.	0.8	47
50	Methane release from Gulf coast wetlands. Tellus, Series B: Chemical and Physical Meteorology, 1983, 35B, 8-15.	0.8	94
51	Nitrogen losses from a Louisiana Gulf Coast salt marsh. Estuarine, Coastal and Shelf Science, 1983, 17, 133-141.	0.9	23
52	Nitrous oxide emission as affected by alternate anaerobic and aerobic conditions from soil suspensions enriched with ammonium sulfate. Soil Biology and Biochemistry, 1983, 15, 693-697.	4.2	65
53	Nitrous oxide emission from Gulf Coast wetlands. Geochimica Et Cosmochimica Acta, 1983, 47, 1805-1814.	1.6	88
54	Relationship of Marsh Elevation, Redox Potential, and Sulfide to Spartina alterniflora Productivity. Soil Science Society of America Journal, 1983, 47, 930-935.	1.2	141

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55	Carbon dioxide emission and carbon accumulation in coastal wetlands. Estuarine, Coastal and Shelf Science, 1983, 17, 21-29.	0.9	73
56	Nitrogen Loss from Freshwater and Saline Estuarine Sediments. Journal of Environmental Quality, 1983, 12, 514-518.	1.0	24
57	The Effect of Soil Redox Potential and pH on the Reduction and Production of Nitrous Oxide. Journal of Environmental Quality, 1983, 12, 186-188.	1.0	28
58	Nitrous oxide emission following Urea-N fertilization of Wetland rice. Soil Science and Plant Nutrition, 1982, 28, 161-171.	0.8	86
59	Nitrate Reduction in Spartina Alterniflora Marsh Soil. Soil Science Society of America Journal, 1982, 46, 748-750.	1.2	25
60	Nitrous oxide emission from simulated overland flow wastewater treatment systems. Soil Biology and Biochemistry, 1981, 13, 275-278.	4.2	21
61	A method for determining stress in wetland plant communities following an oil spill. Environmental Pollution Series A, Ecological and Biological, 1981, 26, 297-304.	0.8	24