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List of Publications by Year
in descending order

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194 papers	6,040 citations	66343 42 h-index	118850 62 g-index
199 all docs	199 docs citations	199 times ranked	4286 citing authors

#	Article	IF	Citations
1	Phenology determines water use strategies of three economic tree species in the semi-arid Loess Plateau of China. Agricultural and Forest Meteorology, 2022, 312, 108716.	4.8	22
2	Deep soil water storage and drainage following conversion of deep rooted to shallow rooted vegetation. Agricultural Water Management, 2022, 261, 107359.	5.6	9
3	An in situ real time probe spacing correction method for multi-needle heat pulse sap flow sensors. Agricultural and Forest Meteorology, 2022, 314, 108776.	4.8	3
4	Improved runoff simulations for a highly varying soil depth and complex terrain watershed in the Loess Plateau with the Community Land Model version 5. Geoscientific Model Development, 2022, 15, 3405-3416.	3.6	1
5	A review and evaluation of thermal conductivity models of saturated soils. Archives of Agronomy and Soil Science, 2021, 67, 974-986.	2.6	25
6	Precipitation dominates the transpiration of both the economic forest (Malus pumila) and ecological forest (Robinia pseudoacacia) on the Loess Plateau after about 15 years of water depletion in deep soil. Agricultural and Forest Meteorology, 2021, 297, 108244.	4.8	38
7	Predicting bulk density in deep unsaturated soils based on multiple scale decomposition. Geoderma, 2021, 385, 114859.	5.1	6
8	Technical Note: Improved partial wavelet coherency for understanding scale-specific and localized bivariate relationships in geosciences. Hydrology and Earth System Sciences, 2021, 25, 321-331.	4.9	50
9	Rainfall intensity affects runoff responses in a semiâ€arid catchment. Hydrological Processes, 2021, 35, e14100.	2.6	13
10	Determining deep root water uptake patterns with tree age in the Chinese loess area. Agricultural Water Management, 2021, 249, 106810.	5.6	26
11	Water recovery rate and isotopic signature of cryogenic vacuum extracted spiked soil water following ovenâ€drying at different temperatures. Hydrological Processes, 2021, 35, e14248.	2.6	9
12	Optimizing biochar application to improve soil physical and hydraulic properties in saline-alkali soils. Science of the Total Environment, 2021, 771, 144802.	8.0	76
13	Long-term vegetation restoration increases deep soil carbon storage in the Northern Loess Plateau. Scientific Reports, 2021, 11, 13758.	3.3	54
14	Stable isotopes of deep soil water retain long-term evaporation loss on China's Loess Plateau. Science of the Total Environment, 2021, 784, 147153.	8.0	19
15	Groundwater recharge in hillslopes on the Chinese Loess Plateau. Journal of Hydrology: Regional Studies, 2021, 36, 100840.	2.4	9
16	Time and frequency domain reflectometry for the measurement of tree stem water content: A review, evaluation, and future perspectives. Agricultural and Forest Meteorology, 2021, 306, 108442.	4.8	24
17	Modelling dry soil thermal conductivity. Soil and Tillage Research, 2021, 213, 105093.	5.6	13
18	Correction of cryogenic vacuum extraction biases and potential effects on soil water isotopes application. Journal of Hydrology, 2021, 603, 127011.	5.4	10

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19	Stand age and precipitation affect deep soil water depletion of economical forest in the loess area. Agricultural and Forest Meteorology, 2021, 310, 108636.	4.8	14
20	Measurement of low sap flux density in plants using the single needle heat pulse probe. Agricultural and Forest Meteorology, 2021, 310, 108656.	4.8	3
21	Groundwater recharge mechanisms on the Loess Plateau of China: New evidence for the significance of village ponds. Agricultural Water Management, 2021, 257, 107148.	5.6	10
22	Evaluation of 14 frozen soil thermal conductivity models with observations and SHAW model simulations. Geoderma, 2021, 403, 115207.	5.1	24
23	Growing deep roots has opposing impacts on the transpiration of apple trees planted in subhumid loess region. Agricultural Water Management, 2021, 258, 107207.	5.6	14
24	A review of time domain reflectometry (TDR) applications in porous media. Advances in Agronomy, 2021, 168, 83-155.	5.2	38
25	Effect of combining strawâ€derived materials and wood ash on alkaline soil carbon content and the microbial community. European Journal of Soil Science, 2021, 72, 1863-1878.	3.9	6
26	Technical note: Evaporating water is different from bulk soil water in <i>Î´</i>²H and <i>Î´</i>¹⁸O and has implications for evaporation calculation. Hydrology and Earth System Sciences, 2021, 25, 5399-5413.	4.9	5
27	Chloride tracer of the loess unsaturated zone under sub-humid region: A potential proxy recording high-resolution hydroclimate. Science of the Total Environment, 2020, 700, 134465.	8.0	13
28	Calibration method affects the measured Î´²H and Î´¹⁸O in soil water by direct H₂O_{liquid}â€“H₂O_{vapour} equilibration with laser spectroscopy. Hydrological Processes, 2020, 34, 506-516.	2.6	9
29	Room for improvement: A review and evaluation of 24 soil thermal conductivity parameterization schemes commonly used in land-surface, hydrological, and soil-vegetation-atmosphere transfer models. Earth-Science Reviews, 2020, 211, 103419.	9.1	47
30	Modelling of soil solid thermal conductivity. International Communications in Heat and Mass Transfer, 2020, 116, 104602.	5.6	26
31	Deficit and Recovery of Deep Soil Water Following a Full Cycle of Afforestation and Deforestation of Apple Trees on the Loess Plateau, China. Water (Switzerland), 2020, 12, 989.	2.7	16
32	Signal processing for in situ detection of effective heat pulse probe spacing radius as the basis of a self-calibrating heat pulse probe. Geoscientific Instrumentation, Methods and Data Systems, 2020, 9, 293-315.	1.6	2
33	Rooting Depth and Extreme Precipitation Regulate Groundwater Recharge in the Thick Unsaturated Zone: A Case Study. Water (Switzerland), 2019, 11, 1232.	2.7	8
34	A generalized model for estimating effective soil thermal conductivity based on the Kasubuchi algorithm. Geoderma, 2019, 353, 227-242.	5.1	37
35	Quantify Piston and Preferential Water Flow in Deep Soil Using Clâ^' and Soil Water Profiles in Deforested Apple Orchards on the Loess Plateau, China. Water (Switzerland), 2019, 11, 2183.	2.7	8
36	Dominant role of climate in determining spatio-temporal distribution of potential groundwater recharge at a regional scale. Journal of Hydrology, 2019, 578, 124042.	5.4	52

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37	Determining Regional-Scale Groundwater Recharge with GRACE and GLDAS. Remote Sensing, 2019, 11, 154.	4.0	47
38	Uncertainties in tritium mass balance models for groundwater recharge estimation. Journal of Hydrology, 2019, 571, 150-158.	5.4	37
39	A new thermal conductivity model for sandy and peat soils. Agricultural and Forest Meteorology, 2019, 274, 95-105.	4.8	40
40	Elucidating controls of the variability of deep soil bulk density. Geoderma, 2019, 348, 146-157.	5.1	45
41	Deep soil water extraction by apple sequesters organic carbon via root biomass rather than altering soil organic carbon content. Science of the Total Environment, 2019, 670, 662-671.	8.0	76
42	Effects of Citrate on the Rates and Mechanisms of Phosphate Adsorption and Desorption on a Calcareous Soil. Soil Science Society of America Journal, 2019, 83, 332-338.	2.2	5
43	Interstitial hydrocarbons reduce the infiltration rates of coarse-textured reclamation materials from the Athabasca oil sands. Catena, 2019, 173, 207-216.	5.0	0
44	Water mining from the deep critical zone by apple trees growing on loess. Hydrological Processes, 2019, 33, 320-327.	2.6	96
45	Temporal variability of water footprint for cereal production and its controls in Saskatchewan, Canada. Science of the Total Environment, 2019, 660, 1306-1316.	8.0	17
46	Thermal properties of sandy and peat soils under unfrozen and frozen conditions. Soil and Tillage Research, 2019, 189, 64-72.	5.6	44
47	Quantifying dual recharge mechanisms in deep unsaturated zone of Chinese Loess Plateau using stable isotopes. Geoderma, 2019, 337, 773-781.	5.1	68
48	Exposure to weathering reduces the water repellency of aggregated oil sand material from subsoils of the Athabasca region. Canadian Journal of Soil Science, 2018, 98, 264-276.	1.2	4
49	Deep rooted apple trees decrease groundwater recharge in the highland region of the Loess Plateau, China. Science of the Total Environment, 2018, 622-623, 584-593.	8.0	63
50	Detecting nonlinearity in the spatial series of nitrous oxide emission by delay vector variance. Geoderma, 2018, 317, 23-31.	5.1	2
51	Simulation of soil water and heat flow in ridge cultivation with plastic film mulching system on the Chinese Loess Plateau. Agricultural Water Management, 2018, 202, 99-112.	5.6	35
52	Nitrous oxide emissions and biogeochemical responses to soil freezing-thawing and drying-wetting. Soil Biology and Biochemistry, 2018, 117, 5-15.	8.8	124
53	Water Movement and Finger Flow Characterization in Homogeneous Waterâ€Repellent Soils. Vadose Zone Journal, 2018, 17, 1-12.	2.2	25
54	Extreme Precipitation Years and Their Occurrence Frequency Regulate Longâ€Term Groundwater Recharge and Transit Time. Vadose Zone Journal, 2018, 17, 1-9.	2.2	14

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55	Water Footprint for Pulse, Cereal, and Oilseed Crops in Saskatchewan, Canada. Water (Switzerland), 2018, 10, 1609.	2.7	13
56	Thermal Transport of Graphene Sheets with Fractal Defects. Molecules, 2018, 23, 3294.	3.8	7
57	Simulation of Water Movement in Layered Waterâ€Repellent Soils using HYDRUSâ€1D. Soil Science Society of America Journal, 2018, 82, 1101-1112.	2.2	13
58	Reconstructed Precipitation Tritium Leads to Overestimated Groundwater Recharge. Journal of Geophysical Research D: Atmospheres, 2018, 123, 9858-9867.	3.3	28
59	Rooting depth controls potential groundwater recharge on hillslopes. Journal of Hydrology, 2018, 564, 164-174.	5.4	65
60	Development and Application of the Heat Pulse Method for Soil Physical Measurements. Reviews of Geophysics, 2018, 56, 567-620.	23.0	103
61	Distributed Temperature Sensing for Soil Physical Measurements and Its Similarity to Heat Pulse Method. Advances in Agronomy, 2018, 148, 173-230.	5.2	41
62	Characteristics of soil water distribution and evaluation of recharge rate under different grazing history in the Xilin Gol Steppe. Chinese Journal of Plant Ecology, 2018, 42, 1033-1042.	0.6	2
63	Determination of groundwater recharge mechanism in the deep loessial unsaturated zone by environmental tracers. Science of the Total Environment, 2017, 586, 827-835.	8.0	96
64	Environmental controls on the spatial variability of soil water dynamics in a small watershed. Journal of Hydrology, 2017, 551, 47-55.	5.4	24
65	Temporally stable patterns but seasonal dependent controls of soil water content: Evidence from wavelet analyses. Hydrological Processes, 2017, 31, 3697-3707.	2.6	52
66	A modified normalized model for predicting effective soil thermal conductivity. Acta Geotechnica, 2017, 12, 1281-1300.	5.7	94
67	Effects of straw and plastic film mulching on greenhouse gas emissions in Loess Plateau, China: A field study of 2 consecutive wheat-maize rotation cycles. Science of the Total Environment, 2017, 579, 814-824.	8.0	177
68	The effects of probe misalignment on sap flux density measurements and in situ probe spacing correction methods. Agricultural and Forest Meteorology, 2017, 232, 176-185.	4.8	22
69	Tritium analysis shows apple trees may be transpiring water several decades old. Hydrological Processes, 2017, 31, 1196-1201.	2.6	72
70	Incorporation of Preâ€Treated Straw Improves Soil Aggregate Stability and Increases Crop Productivity. Agronomy Journal, 2017, 109, 2253-2265.	1.8	16
71	ä¸åŒÉé™æº´æ¦ä»¶ä¸ç§°å°”æ²æ²™åœºå°åŒ¶é”¦é¸¡å„¿å'Œç›è'¿çš„æº´å^†å^©ç”¨åŠ¨æ€. Chinese Journal of Plant Ecology, 2017, 41, 1262-1		
72	Technical note: Multiple wavelet coherence for untangling scale-specific and localized multivariate relationships in geosciences. Hydrology and Earth System Sciences, 2016, 20, 3183-3191.	4.9	111

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73	Modeling of Coupled Water and Heat Transfer in Freezing and Thawing Soils, Inner Mongolia. Water (Switzerland), 2016, 8, 424.	2.7	24
74	Fractal behavior of soil water storage at multiple depths. Nonlinear Processes in Geophysics, 2016, 23, 269-284.	1.3	8
75	Estimating spatially distributed soil water content at small watershed scales based on decomposition of temporal anomaly and time stability analysis. Hydrology and Earth System Sciences, 2016, 20, 571-587.	4.9	17
76	Calibration of a non-invasive cosmic-ray probe for wide area snow water equivalent measurement. Cryosphere, 2016, 10, 1181-1190.	3.9	26
77	Combined Effects of Mulch and Tillage on Soil Hydrothermal Conditions under Drip Irrigation in Hetao Irrigation District, China. Water (Switzerland), 2016, 8, 504.	2.7	20
78	Singleâ€Probe Heat Pulse Method for Soil Water Content Determination: Comparison of Methods. Vadose Zone Journal, 2016, 15, 1-13.	2.2	18
79	Scale- and location-specific relationships between soil available micronutrients and environmental factors in the Fen River basin on the Chinese Loess Plateau. Catena, 2016, 147, 764-772.	5.0	20
80	Evaluation of five composite dielectric mixing models for understanding relationships between effective permittivity and unfrozen water content. Cold Regions Science and Technology, 2016, 130, 33-42.	3.5	32
81	Effects of petroleum hydrocarbon concentration and bulk density on the hydraulic properties of lean oil sand overburden. Canadian Journal of Soil Science, 2016, 96, 435-446.	1.2	8
82	Monitoring soil water content at a heterogeneous oil sand reclamation site using a cosmic-ray soil moisture probe. Journal of Hydrology, 2016, 543, 510-522.	5.4	15
83	A general in situ probe spacing correction method for dual probe heat pulse sensor. Agricultural and Forest Meteorology, 2016, 226-227, 50-56.	4.8	19
84	Using the double-exponential water retention equation to determine how soil pore-size distribution is linked to soil texture. Soil and Tillage Research, 2016, 156, 119-130.	5.6	32
85	Measuring Solid Percentage of Oil Sands Mature Fine Tailings Using the Dual Probe Heat Pulse Method. Journal of Environmental Quality, 2015, 44, 293-298.	2.0	9
86	Modeling of Soil Water and Salt Dynamics and Its Effects on Root Water Uptake in Heihe Arid Wetland, Gansu, China. Water (Switzerland), 2015, 7, 2382-2401.	2.7	55
87	Effects of row-spacing and stubble height on soil water content and water use by canola and wheat in the dry prairie region of Canada. Agricultural Water Management, 2015, 153, 77-85.	5.6	9
88	Density-dependent calibration of multisensor capacitance probes in coarse soil. Canadian Journal of Soil Science, 2015, 95, 331-336.	1.2	5
89	Soil freezingâ€“thawing characteristics and snowmelt infiltration in Cryalfs of Alberta, Canada. Geoderma Regional, 2015, 5, 198-208.	2.1	46
90	Catchment-scale variability of absolute versus temporal anomaly soil moisture: Time-invariant part not always plays the leading role. Journal of Hydrology, 2015, 529, 1669-1678.	5.4	23

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91	Visâ€Near IR Reflectance Spectroscopy for Soil Organic Carbon Content Measurement in the Canadian Prairies. Clean - Soil, Air, Water, 2015, 43, 1215-1223.	1.1	9
92	Effects of soil managements on surface runoff and soil water content in jujube orchard under simulated rainfalls. Catena, 2015, 135, 193-201.	5.0	17
93	Hydrological processes and eco-hydrological effects of farmlandâ€“forestâ€“desert transition zone in the middle reaches of Heihe River Basin, Gansu, China. Journal of Hydrology, 2015, 529, 1690-1700.	5.4	16
94	Representative sampling size for strip sampling and number of required samples for random sampling for soil nutrients in direct seeded fields. Precision Agriculture, 2015, 16, 385-404.	6.0	8
95	Evaluation of a self-correcting dual probe heat pulse sensor. Agricultural and Forest Meteorology, 2015, 200, 203-208.	4.8	18
96	Effects of initial soil water content and saturated hydraulic conductivity variability on small watershed runoff simulation using LISEM. Hydrological Sciences Journal, 2015, 60, 1137-1154.	2.6	25
97	Improving water storage of reclamation soil covers by fractionation of coarse-textured soil. Canadian Journal of Soil Science, 2014, 94, 489-501.	1.2	2
98	Curvelet transform to study scale-dependent anisotropic soil spatial variation. Geoderma, 2014, 213, 589-599.	5.1	15
99	Relationship between the severity, persistence of soil water repellency and the critical soil water content in water repellent soils. Geoderma, 2014, 221-222, 113-120.	5.1	36
100	Spatial variability of soil electrical conductivity in a small watershed on the Loess Plateau of China. Geoderma, 2014, 230-231, 212-220.	5.1	19
101	Soil freezing and thawing processes affected by the different landscapes in the middle reaches of Heihe River Basin, Gansu, China. Journal of Hydrology, 2014, 519, 1328-1338.	5.4	65
102	Revealing the relative influence of soil and topographic properties on soil water content distribution at the watershed scale in two sites. Journal of Hydrology, 2014, 516, 107-118.	5.4	63
103	Application of multivariate empirical mode decomposition for revealing scale-and season-specific time stability of soil water storage. Catena, 2014, 113, 377-385.	5.0	41
104	Can soil water measurements at a certain depth be used to estimate mean soil water content of a soil profile at a point or at a hillslope scale?. Journal of Hydrology, 2014, 516, 67-75.	5.4	38
105	The impact of soil moisture availability on forest growth indices for variably layered coarseâ€textured soils. Ecohydrology, 2013, 6, 214-227.	2.4	24
106	Soil water prediction based on its scale-specific control using multivariate empirical mode decomposition. Geoderma, 2013, 193-194, 180-188.	5.1	102
107	The differences of water balance components of Caragana korshinkii grown in homogeneous and layered soils in the desertâ€“Loess Plateau transition zone. Journal of Arid Environments, 2013, 98, 10-19.	2.4	27
108	Separating scale-specific soil spatial variability: A comparison of multi-resolution analysis and empirical mode decomposition. Geoderma, 2013, 209-210, 57-64.	5.1	43

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109	Characterizing scaleâ€•and locationâ€specific variation in nonâ€linear soil systems using the wavelet transform. European Journal of Soil Science, 2013, 64, 706-715.	3.9	15
110	Mean soil water content estimation using measurements from time stable locations of adjacent or distant areas. Journal of Hydrology, 2013, 497, 234-243.	5.4	14
111	Impact of Textural Layering on Water Retention Within Drained Sand Profiles. Soil Science, 2013, 178, 496-504.	0.9	6
112	Separating Scale-Specific Spatial Variability in Two Dimensions using Bi-Dimensional Empirical Mode Decomposition. Soil Science Society of America Journal, 2013, 77, 1991-1995.	2.2	15
113	Probe Body and Thermal Contact Conductivity Affect Error of Heat Pulse Method Based on Infinite Line Source Approximation. Soil Science Society of America Journal, 2012, 76, 370-374.	2.2	19
114	Accuracy Assessment of Sequential Indicator Simulation in Three-dimensional Prediction of Soil Texture. Soil Science, 2012, 177, 355-359.	0.9	0
115	The effect of long-term fertilization on soil water storage and water deficit in the Black Soil Zone in northeast China. Canadian Journal of Soil Science, 2012, 92, 439-448.	1.2	6
116	Factors controlling soil water storage in the hummocky landscape of the Prairie Pothole Region of North America. Canadian Journal of Soil Science, 2012, 92, 649-663.	1.2	33
117	Seasonal changes in surface bulk density and saturated hydraulic conductivity of natural landscapes. European Journal of Soil Science, 2012, 63, 820-830.	3.9	92
118	Extracting soil water storage pattern using a self-organizing map. Geoderma, 2012, 177-178, 18-26.	5.1	3
119	Wetting properties of fungi mycelium alter soil infiltration and soil water repellency in a Î³-sterilized wettable and repellent soil. Fungal Biology, 2012, 116, 1212-1218.	2.5	16
120	Evaluation of time stability indices for soil water storage upscaling. Journal of Hydrology, 2012, 475, 229-241.	5.4	41
121	Multifractal detrended fluctuation analysis in examining scaling properties of the spatial patterns of soil water storage. Nonlinear Processes in Geophysics, 2012, 19, 227-238.	1.3	45
122	Identifying effects of local and nonlocal factors of soil water storage using cyclical correlation analysis. Hydrological Processes, 2012, 26, 3669-3677.	2.6	12
123	An innovative brilliant blue FCF method for fluorescent staining of fungi and bacteria. Biotechnic and Histochemistry, 2011, 86, 280-287.	1.3	7
124	Identifying scale specific controls of soil water storage in a hummocky landscape using wavelet coherency. Geoderma, 2011, 165, 50-59.	5.1	87
125	Joint Multifractal Analysis of Scaling Relationships Between Soil Water-Retention Parameters and Soil Texture. Pedosphere, 2011, 21, 373-379.	4.0	13
126	Soil ice content measurement using a heat pulse probe method. Canadian Journal of Soil Science, 2011, 91, 235-246.	1.2	36

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127	Flow and Transport in Layered Soils. Canadian Journal of Soil Science, 2011, 91, 127-132.	1.2	31
128	Influence of textural layering on field capacity of coarse soils. Canadian Journal of Soil Science, 2011, 91, 133-147.	1.2	71
129	Impact of tension infiltrometer disc size on measured soil water repellency index. Canadian Journal of Soil Science, 2011, 91, 77-81.	1.2	22
130	System dynamics modeling of infiltration and drainage in layered coarse soil. Canadian Journal of Soil Science, 2011, 91, 185-197.	1.2	20
131	Infiltration and drainage processes in multi-layered coarse soils. Canadian Journal of Soil Science, 2011, 91, 169-183.	1.2	66
132	Water availability and forest growth in coarse-textured soils. Canadian Journal of Soil Science, 2011, 91, 199-210.	1.2	36
133	Spatial and seasonal variability of phosphorus risk indexes in cultivated organic soils. Canadian Journal of Soil Science, 2011, 91, 291-302.	1.2	5
134	Scales and locations of time stability of soil water storage in a hummocky landscape. Journal of Hydrology, 2011, 408, 100-112.	5.4	65
135	Application of Continuous Wavelet Transform inÂExamining Soil Spatial Variation: AÂReview. Mathematical Geosciences, 2011, 43, 379-396.	2.4	50
136	Evidence of High Microbial Abundance and Spatial Dependency in Three Arctic Soil Ecosystems. Soil Science Society of America Journal, 2011, 75, 2227-2232.	2.2	18
137	Revealing the Controls of Soil Water Storage at Different Scales in a Hummocky Landscape. Soil Science Society of America Journal, 2011, 75, 1295-1306.	2.2	79
138	Soil Spatial Dependence in Three Arctic Ecosystems. Soil Science Society of America Journal, 2011, 75, 591-594.	2.2	14
139	Depth Persistence of the Spatial Pattern of Soil Water Storage in a Hummocky Landscape. Soil Science Society of America Journal, 2011, 75, 1099-1109.	2.2	23
140	Single- and Dual-Probe Heat Pulse Probe for Determining Thermal Properties of Dry Soils. Soil Science Society of America Journal, 2011, 75, 787-794.	2.2	22
141	Scaling of Soil Physical Properties. Encyclopedia of Earth Sciences Series, 2011, , 725-729.	0.1	1
142	Errors Analysis Of Heat Pulse Probe Methods: Experiments and Simulations. Soil Science Society of America Journal, 2010, 74, 797-803.	2.2	18
143	Assessment of alcohol percentage test for fungal surface hydrophobicity measurement. Letters in Applied Microbiology, 2010, 50, 295-300.	2.2	19
144	Scaling analysis of soil water retention parameters and physical properties of a Chinese agricultural soil. Soil Research, 2009, 47, 821.	1.1	14

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145	A novel method for identifying hydrophobicity on fungal surfaces. Mycological Research, 2009, 113, 1046-1052.	2.5	31
146	Multi-layer diffusion model and error analysis applied to chamber-based gas fluxes measurements. Agricultural and Forest Meteorology, 2009, 149, 169-178.	4.8	26
147	Unified Multilayer Diffusion Model and Application to Diffusion Experiment in Porous Media by Method of Chambers. Environmental Science & Technology, 2009, 43, 2412-2416.	10.0	11
148	Spatial relationship between soil hydraulic and soil physical properties in a farm field. Canadian Journal of Soil Science, 2009, 89, 473-488.	1.2	18
149	Analytical modeling of one-dimensional diffusion in layered systems with position-dependent diffusion coefficients. Advances in Water Resources, 2008, 31, 251-268.	3.8	25
150	Spatial variability of soil organic matter and nutrients in paddy fields at various scales in southeast China. Environmental Geology, 2008, 53, 1139-1147.	1.2	37
151	Spatial variability of soil available Zn and Cu in paddy rice fields of China. Environmental Geology, 2008, 55, 1569-1576.	1.2	13
152	Dualâ€probe heat pulse method for snow density and thermal properties measurement. Geophysical Research Letters, 2008, 35, .	4.0	21
153	Soil Properties, Yield, and Landscape Relationships in South-Central Saskatchewan Canada. Journal of Plant Nutrition, 2008, 31, 539-556.	1.9	23
154	Coiled Time Domain Reflectometry Matric Potential Sensor. Soil Science Society of America Journal, 2008, 72, 1422-1424.	2.2	7
155	Analytical Solution of Heat Pulse Method in a Parallelepiped Sample Space with Inclined Needles. Soil Science Society of America Journal, 2008, 72, 1208-1216.	2.2	22
156	Characterizing Scaleâ€•and Locationâ€Dependent Correlation of Water Retention Parameters with Soil Physical Properties Using Wavelet Techniques. Journal of Environmental Quality, 2008, 37, 2284-2292.	2.0	21
157	Spatial relationship between Î´¹⁵N and elevation in agricultural landscapes. Nonlinear Processes in Geophysics, 2008, 15, 397-407.	1.3	24
158	Spatial Scaling Analyses of Soil Physical Properties: A Review of Spectral and Wavelet Methods. Vadose Zone Journal, 2008, 7, 547-562.	2.2	103
159	Estimating Saturated Hydraulic Conductivity Using Genetic Programming. Soil Science Society of America Journal, 2007, 71, 1676-1684.	2.2	56
160	Soil wetting state and preferential transport of Escherichia coli in clay soils. Canadian Journal of Soil Science, 2007, 87, 61-72.	1.2	19
161	Assessing spatial distribution and joint uncertainty of TPH-fractions: Indicator kriging and sequential indicator simulation. Canadian Journal of Soil Science, 2007, 87, 551-563.	1.2	1
162	Upslope length improves spatial estimation of soil organic carbon content. Canadian Journal of Soil Science, 2007, 87, 291-300.	1.2	10

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163	Detecting grassland spatial variation by a wavelet approach. International Journal of Remote Sensing, 2007, 28, 1527-1545.	2.9	33
164	Time, location, and scale dependence of soil nitrous oxide emissions, soil water, and temperature using wavelets, cross-wavelets, and wavelet coherency analysis. Journal of Geophysical Research, 2007, 112, .	3.3	30
165	Waveletâ€based multifractal analysis of field scale variability in soil water retention. Water Resources Research, 2007, 43, .	4.2	16
166	Determining Longâ€Term (Decadal) Deep Drainage Rate Using Multiple Tracers. Journal of Environmental Quality, 2007, 36, 1686-1694.	2.0	21
167	Studying mixed grassland ecosystems II: optimum pixel size. Canadian Journal of Remote Sensing, 2006, 32, 108-115.	2.4	27
168	Characterizing scale-dependent spatial relationships between soil properties using multifractal techniques. Geoderma, 2006, 134, 440-452.	5.1	97
169	Probability Distribution and Spatial Dependence of Nitrous Oxide Emission. Soil Science Society of America Journal, 2006, 70, 753-762.	2.2	88
170	Wavelet Spectra of Nitrous Oxide Emission from Hummocky Terrain during Spring Snowmelt. Soil Science Society of America Journal, 2006, 70, 1110-1120.	2.2	29
171	Estimating Saturated Hydraulic Conductivity In Spatially Variable Fields Using Neural Network Ensembles. Soil Science Society of America Journal, 2006, 70, 1851-1859.	2.2	49
172	Determining Soil Hydraulic Properties from Tension Infiltrometer Measurements. Soil Science Society of America Journal, 2005, 69, 1922-1930.	2.2	11
173	Scaling Relationships between Saturated Hydraulic Conductivity and Soil Physical Properties. Soil Science Society of America Journal, 2005, 69, 1691-1702.	2.2	100
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