Hydrologic and water quality impacts of agricultural dr

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Citation Report

#	Article	IF	CITATIONS
1	Drainage and Water Quality in Great Lakes and Cornbelt States. Journal of Irrigation and Drainage Engineering - ASCE, 1995, 121, 283-288.	1.0	120
2	Controlled versus Conventional Drainage Effects on Water Quality. Journal of Irrigation and Drainage Engineering - ASCE, 1995, 121, 271-276.	1.0	180
3	Sustainability of Soil Use. Annual Review of Ecology, Evolution, and Systematics, 1995, 26, 25-44.	6.7	18
4	Loss of dissolved and particulate phosphorus from arable catchments by subsurface drainage. Water Research, 1996, 30, 2633-2642.	11.3	111
5	Water Table Depth and Rainfall Timing Effect on BRâ^' and NO3- Transport. Journal of Irrigation and Drainage Engineering - ASCE, 1997, 123, 279-284.	1.0	5
6	Hydrologic Modeling of a Complex Wetland. Journal of Irrigation and Drainage Engineering - ASCE, 1997, 123, 344-353.	1.0	18
7	Sediment and Phosphorus Export from a Lowland Catchment: Quantification of Sources. Water, Air, and Soil Pollution, 1997, 99, 465-476.	2.4	0
8	Sediment and phosphorus export from a lowland catchment: Quantification of sources. Water, Air, and Soil Pollution, 1997, 99, 465-476.	2.4	35
9	Biogeochemical cycles and processes leading to changes in mobility of chemicals in soils. Agriculture, Ecosystems and Environment, 1998, 67, 121-133.	5.3	66
10	Using the DRAINMOD-N model to study effects of drainage system design and management on crop productivity, profitability and NO3–N losses in drainage water. Agricultural Water Management, 1998, 35, 227-243.	5.6	37
11	The controversial role of tile drainage in phosphorus export from agricultural land. Water Science and Technology, 1999, 39, 55.	2.5	51
12	Spatial changes in the modalities of N and P inputs in a rural river network. Water Research, 1999, 33, 95-104.	11.3	21
13	Temporal and spatial variations of phosphorus losses and drainage in a structured clay soil. Water Research, 2000, 34, 1687-1695.	11.3	49
14	Drainage equations for random and irregular tile drainage systems. Agricultural Water Management, 2001, 48, 207-224.	5.6	16
15	Biofiltration of Residual Fertilizer Nitrate and Atrazine by Rhizobium meliloti in Saturated and Unsaturated Sterile Soil Columns. Environmental Science & Technology, 2001, 35, 1610-1615.	10.0	6
16	Bioremediation of Residual Fertilizer Nitrate. Journal of Environmental Quality, 2001, 30, 1-10.	2.0	6
18	Tile Water Quality Predictions using DRAINMOD-N and RZWQM. , 2001, , .		2
19	Simulation of Tile Flow for a Flat Tile Drained Watershed in East Central Illinois. , 2001, , .		2

#	Article	IF	CITATIONS
20	Title is missing!. Subsurface Sensing Technologies and Applications, 2001, 2, 31-45.	0.9	14
21	Economics of Nitrate Losses from Drained Agricultural Land. Journal of Environmental Engineering, ASCE, 2002, 128, 376-383.	1.4	10
22	Groundwater recharge and agricultural contamination. Hydrogeology Journal, 2002, 10, 153-179.	2.1	554
23	The effects of controlled drainage on subsurface outflow from level agricultural fields. Hydrological Processes, 2003, 17, 1525-1538.	2.6	25
24	Low-pressure RO membrane desalination of agricultural drainage water. Desalination, 2003, 155, 109-120.	8.2	47
25	Retaining agricultural nutrients in constructed wetlands—experiences under boreal conditions. Ecological Engineering, 2003, 20, 89-103.	3.6	122
26	DRAINAGE SYSTEM IMPACTS ON SURFACE RUNOFF, NITRATE LOSS, AND CROP YIELD ON A SOUTHERN ALLUVIAL SOIL. Transactions of the American Society of Agricultural Engineers, 2003, 46, 1531-1537.	0.9	18
27	The Impact of Drainage Depth on Water Quality in a Cold Climate. , 2003, , .		3
28	Soil Constituent Facilitated Transport of Phosphorus from a High-P Surface Soil. Soils and Foundations, 2003, 43, 105-114.	3.1	13
29	PREDICTING THE IMPACT OF DRAINAGE DEPTH ON WATER QUALITY IN A COLD CLIMATE. , 0, , .		0
30	Preferential Flow and Colloids: Their Influence on the Transport of Phosphorus. , 2004, , .		0
31	OHIO DRAINAGE CONTRACTOR CHARACTERISTICS AND INSTALLATION PRACTICES. , 0, , .		0
32	Comparison of Soil Physical Properties under Two Different Water Table Management Regimes. Soil Science Society of America Journal, 2004, 68, 1973-1981.	2.2	21
33	DEVELOPMENT AND APPLICATION OF SWAT TO LANDSCAPES WITH TILES AND POTHOLES. Transactions of the American Society of Agricultural Engineers, 2005, 48, 1121-1133.	0.9	105
34	Ecosystem Function in Heterogeneous Landscapes. , 2005, , 1-4.		34
35	Spatial evolution of nitrogen and phosphorus loads along a small Mediterranean river: implication of bed sediments. Hydrological Processes, 2005, 19, 3581-3592.	2.6	22
36	Evaluation of Predicted Long-term Water Quality Trends to Changes in N Fertilizer Management Practices for a Cold Climate. , 2005, , .		1
37	Nitrate Reduction Through Controlled Drainage & Nutrient Management Plans. , 2005, , .		0

#	Article	IF	CITATIONS
38	Heterogeneity in Hydrologic Processes: A Terrestrial Hydrologic Modeling Perspective. , 2005, , 119-136.		4
39	Mechanisms of surface runoff genesis on a subsurface drained soil affected by surface crusting: A field investigation. Physics and Chemistry of the Earth, 2005, 30, 598-610.	2.9	23
40	Controlled Drainage and Nutrient Management Planning Reduce Drainage Outflow and Nitrogen Transport. , 2006, , 1.		1
41	Nitrogen Removal in Valley Bottom Wetlands. Journal of Environmental Quality, 2006, 35, 2113-2122.	2.0	22
42	Plant Growth Component of a Simple Rye Growth Model. Transactions of the ASABE, 2006, 49, 1569-1578.	1.1	22
43	Combination of Drainage Water Management, Cover Cropping, and Wetland Diversion as a Suite of BMPs to Reduce Nitrogen Loss from Cropland. , 2006, , 1.		0
44	Methods for Removing Nitrate Nitrogen from Agricultural Drainage Waters: A Review and Assessment. , 2006, , .		2
45	Effects of Manure Application and Plowing on Transport of Colloids and Phosphorus to Tile Drains. Vadose Zone Journal, 2006, 5, 445-458.	2.2	84
46	Potential for a Rye Cover Crop to Reduce Nitrate Loss in Southwestern Minnesota. Agronomy Journal, 2006, 98, 1416-1426.	1.8	82
47	The effect of lime admixture to trench backfill on the functioning of tile drainage in heavy soils. Irrigation and Drainage, 2006, 55, 373-382.	1.7	8
48	Effect of Controlled Drainage and Vegetative Buffers on Drainage Water Quality from Wastewater Irrigated Fields. Journal of Irrigation and Drainage Engineering - ASCE, 2006, 132, 159-170.	1.0	13
49	Missing the Boat: Midwest Farm Drainage and Gulf of Mexico Hypoxia. Applied Economic Perspectives and Policy, 2006, 28, 240-253.	1.0	26
50	Use of a watershed model to characterize the fate and transport of fluometuron, a soil-applied cotton herbicide, in surface water. International Journal of Environmental Analytical Chemistry, 2007, 87, 883-896.	3.3	5
51	Hydrology and Nitrogen Components of a Simple Rye Growth Model. Journal of Irrigation and Drainage Engineering - ASCE, 2007, 133, 90-99.	1.0	4
52	The Use of a Novel Aerobic Wetland to Reduce Agricultural Pollutants Associated with Subsurface Tile Drainage. , 2007, , .		0
53	Quantification of soil volumes in the Eg & Bt-horizon of an Albeluvisol using image analysis. Canadian Journal of Soil Science, 2007, 87, 51-59.	1.2	13
54	Effects of controlled drainage on N and P losses and N dynamics in a loamy sand with spring crops. Agricultural Water Management, 2007, 87, 229-240.	5.6	113
55	Development of a recording water flow meter using ultrasonic measurement of water levels in a slotted U-pipe. Agricultural Water Management, 2007, 88, 263-268.	5.6	3

#	Article	IF	CITATIONS
56	Predicting effects of drainage water management in Iowa's subsurface drained landscapes. Agricultural Water Management, 2007, 92, 162-170.	5.6	59
57	Phosphorus Transport through Subsurface Drainage and Surface Runoff from a Flat Watershed in East Central Illinois, USA. Journal of Environmental Quality, 2007, 36, 681-693.	2.0	91
58	Agricultural drainage management, quality and disposal issues in North America. Irrigation and Drainage, 2007, 56, S35-S45.	1.7	46
59	Current status and prospects of agricultural drainage in China. Irrigation and Drainage, 2007, 56, S47-S58.	1.7	14
60	WATER MANAGEMENT AND N, P LOSSES FROM PADDY FIELDS IN SOUTHERN KOREA1. Journal of the American Water Resources Association, 2007, 42, 1205-1216.	2.4	7
61	Nitrogen Sources and Sinks Within the Middle Rio Grande, New Mexico. Journal of the American Water Resources Association, 2007, 43, 850-863.	2.4	25
62	MHYDAS-DRAIN: A spatially distributed model for small, artificially drained lowland catchments. Ecological Modelling, 2007, 209, 2-20.	2.5	49
63	Ecosystem and Seasonal Control of Stream Dissolved Organic Carbon Along a Gradient of Land Use. Ecosystems, 2008, 11, 555-568.	3.4	120
64	Streams modified for drainage provide fish habitat in agricultural areas. Canadian Journal of Fisheries and Aquatic Sciences, 2008, 65, 509-522.	1.4	22
65	Numerical Simulation of Flow Dynamics during Macropore–Subsurface Drain Interactions Using HYDRUS. Vadose Zone Journal, 2008, 7, 909-918.	2.2	45
66	Improving Crop Growth Simulation in the Hydrologic Model DRAINMOD to Simulate Corn Yields in Subsurface Drained Landscapes. , 2008, , .		5
67	Meta-Analysis as a Statistical Tool for Evaluating the Hydrologic Effects of Water Table Management. , 2009, , .		Ο
68	Dissolved Organic Carbon Losses from Tile Drained Agroecosystems. Journal of Environmental Quality, 2009, 38, 1205-1215.	2.0	41
69	Agricultural Drainage Management Systems Task Force (ADMSTF). , 2009, , .		1
70	Application of two-component model of drainage discharge to nitrate contamination. Journal of Contaminant Hydrology, 2009, 106, 99-117.	3.3	14
71	Landscape Planning for Agricultural Nonpoint Source Pollution Reduction III: Assessing Phosphorus and Sediment Reduction Potential. Environmental Management, 2009, 43, 69-83.	2.7	62
72	Nutrient transport through a Vegetative Filter Strip with subsurface drainage. Journal of Environmental Management, 2009, 90, 1868-1876.	7.8	51
73	Evaluation of the DRAINMOD–N II model for predicting nitrogen losses in a loamy sand under cultivation in south-east Sweden. Agricultural Water Management, 2009, 96, 267-281.	5.6	46

#	Article	IF	CITATIONS
74	The effect of salinity on water productivity of wheat under deficit irrigation above shallow groundwater. Agricultural Water Management, 2009, 96, 517-524.	5.6	50
75	Phosphorus losses from an artificially drained rural lowland catchment in North-Eastern Germany. Agricultural Water Management, 2009, 96, 677-690.	5.6	37
76	Effects of Agricultural Drainage on Aquatic Ecosystems: A Review. Critical Reviews in Environmental Science and Technology, 2009, 39, 909-1001.	12.8	514
77	Soil Drainage as an Active Agent of Recent Soil Evolution: A Review. Pedosphere, 2009, 19, 1-13.	4.0	41
78	Managing excess water in Canadian prairie soils: A review. Canadian Journal of Soil Science, 2009, 89, 157-168.	1.2	29
79	Designing Monitoring Programs for Artificially Drained Catchments. Vadose Zone Journal, 2010, 9, 14.	2.2	22
80	Effect of Pipe Pressurization on the Discharge of a Tile Drainage System. Vadose Zone Journal, 2010, 9, 36.	2.2	15
81	Role of sand capping in phosphorus release from sediment. KSCE Journal of Civil Engineering, 2010, 14, 815-821.	1.9	18
82	Landscape Context Predicts Reed Canarygrass Invasion: Implications for Management. Wetlands, 2010, 30, 685-692.	1.5	16
83	Do we need to include soil evolution module in models for prediction of future climate change?. Climatic Change, 2010, 98, 75-86.	3.6	15
84	A multi-scale approach to prioritize wetland restoration for watershed-level water quality improvement. Wetlands Ecology and Management, 2010, 18, 695-706.	1.5	18
85	Integrating objectives and scales for planning and implementing wetland restoration and creation in agricultural landscapes. Journal of Environmental Management, 2010, 91, 2087-2095.	7.8	54
86	Modeling Impacts of Tile Drain Spacing and Depth on Nitrate-Nitrogen Losses. Vadose Zone Journal, 2010, 9, 61.	2.2	47
87	Effects of Drain Depth on Nitrate-N and Phosphorus Losses from Drained Agricultural Lands Receiving Nitrogen and Phosphorus from Organic Sources. , 2010, , .		0
88	Salinity dynamics of wetland ditches receiving drainage from irrigated agricultural land in arid and semi-arid regions. Agricultural Water Management, 2011, 100, 9-17.	5.6	22
89	Nitrate dynamics in artificially drained nested watersheds. Physics and Chemistry of the Earth, 2011, 36, 506-514.	2.9	22
90	Multiyear Nutrient Removal Performance of Three Constructed Wetlands Intercepting Tile Drain Flows from Grazed Pastures. Journal of Environmental Quality, 2011, 40, 620-633.	2.0	61
91	Water quality in rice-growing watersheds in a Mediterranean climate. Agriculture, Ecosystems and Environment, 2011, 144, 290-301.	5.3	37

#	Article	IF	CITATIONS
92	Evidence for the Use of Low-Grade Weirs in Drainage Ditches to Improve Nutrient Reductions from Agriculture. Water, Air, and Soil Pollution, 2011, 221, 223-234.	2.4	57
93	Effects of Subsurface Drainage on Evapotranspiration for Corn and Soybean Crops in Southeastern North Dakota. Journal of Irrigation and Drainage Engineering - ASCE, 2012, 138, 1060-1067.	1.0	21
94	The future of agriculture and society in Iowa: four scenarios. International Journal of Agricultural Sustainability, 2012, 10, 76-92.	3.5	10
95	Agricultural nutrient surpluses as potential input sources to grow third generation biomass (microalgae): A review. Algal Research, 2012, 1, 49-56.	4.6	78
96	Modeling the effects of controlled drainage, N rate and weather on nitrate loss to subsurface drainage. Agricultural Water Management, 2012, 103, 150-161.	5.6	47
97	Water management practices and SCS curve numbers of paddy fields equipped with surface drainage pipes. Agricultural Water Management, 2012, 110, 78-83.	5.6	30
98	The impact of fertilization and hydrology on nitrate fluxes from Mississippi watersheds. Current Opinion in Environmental Sustainability, 2012, 4, 212-218.	6.3	52
99	Bromide and chloride tracer movement in macroporous tile-drained agricultural soil during an annual climatic cycle. Journal of Hydrology, 2012, 460-461, 77-89.	5.4	15
100	Environmental Factors Structuring Benthic Macroinvertebrate Communities of Agricultural Ditches in Maryland. Environmental Entomology, 2012, 41, 802-812.	1.4	16
101	Managing Artificially Drained Low-Gradient Agricultural Headwaters for Enhanced Ecosystem Functions. Biology, 2012, 1, 794-856.	2.8	35
102	A Convective Model Conm That Simulates Solute Redistribution Caused by Water Table Fluctuations. Journal of Agricultural Science, 2012, 4, .	0.2	1
103	Wetland drainage in the Canadian prairies: Nutrient, salt and bacteria characteristics. Agriculture, Ecosystems and Environment, 2012, 146, 1-12.	5.3	36
104	Contemporary changes in dissolved organic carbon (DOC) in humanâ€dominated rivers: is there a role for DOC management?. Freshwater Biology, 2012, 57, 26-42.	2.4	223
105	Factors controlling nitrate concentrations in surface waters of an artificially drained agricultural watershed. Landscape Ecology, 2013, 28, 665-684.	4.2	36
106	The impact of improving irrigation efficiency on wetland distribution in an agricultural landscape in the upper reaches of the Yellow River in China. Agricultural Water Management, 2013, 121, 54-61.	5.6	10
107	Modeling the hydrologic effects of roadside ditch networks on receiving waters. Journal of Hydrology, 2013, 486, 293-305.	5.4	32
108	Application of an integrated framework for estimating nitrate loads from a coastal watershed in south-east Sweden. Agricultural Water Management, 2013, 129, 56-68.	5.6	9
109	Measuring and modeling the effects of drainage water management on soil greenhouse gas fluxes from corn and soybean fields. Journal of Environmental Management, 2013, 129, 652-664.	7.8	29

#	Article	IF	CITATIONS
110	Controlled drainage systems to reduce contaminant losses and optimize productivity from New Zealand pastoral systems. New Zealand Journal of Agricultural Research, 2013, 56, 171-185.	1.6	14
111	Modelling the impacts of subsurface drainage on surface runoff and sediment yield in the Le Sueur Watershed, Minnesota, USA. Hydrological Sciences Journal, 2013, 58, 570-586.	2.6	28
112	Evaluation of the Hooghoudt and Kirkham Tile Drain Equations in the Soil and Water Assessment Tool to Simulate Tile Flow and Nitrate-Nitrogen. Journal of Environmental Quality, 2013, 42, 1699-1710.	2.0	31
113	Modeling of Subsurface Tile Drainage using MIKE SHE. Applied Engineering in Agriculture, 2013, , 865-873.	0.7	2
114	Tile Drainage Management Influences on Surface-Water and Groundwater Quality following Liquid Manure Application. Journal of Environmental Quality, 2013, 42, 881-892.	2.0	28
115	Mountaintop Removal Mining and Catchment Hydrology. Water (Switzerland), 2014, 6, 472-499.	2.7	52
116	Effects of long-term land use change on dissolved carbon characteristics in the permafrost streams of northeast China. Environmental Sciences: Processes and Impacts, 2014, 16, 2496-2506.	3.5	5
117	Long-Term Monitoring of Waterborne Pathogens and Microbial Source Tracking Markers in Paired Agricultural Watersheds under Controlled and Conventional Tile Drainage Management. Applied and Environmental Microbiology, 2014, 80, 3708-3720.	3.1	42
118	Homogenization of spatial patterns of hydrologic response in artificially drained agricultural catchments. Hydrological Processes, 2014, 28, 5010-5020.	2.6	38
119	AUTOMATIC CALIBRATION OF A HYDROLOGIC MODEL FOR SIMULATING GROUNDWATER TABLE FLUCTUATIONS ON FARMS IN THE EVERGLADES AGRICULTURAL AREA OF SOUTH FLORIDA. Irrigation and Drainage, 2014, 63, 538-549.	1.7	1
120	Reprint of "Hydrological pathways and nitrogen runoff in agricultural dominated catchments in Nordic and Baltic countries― Agriculture, Ecosystems and Environment, 2014, 198, 65-73.	5.3	20
121	Analyse de sensibilité globale du modèle CATHY aux propriétés hydrodynamiques du sol d'un micro-bassin agricole drainé. Hydrological Sciences Journal, 2014, 59, 1606-1623.	2.6	9
122	Review: Reducing residual soil nitrogen losses from agroecosystems for surface water protection in Quebec and Ontario, Canada: Best management practices, policies and perspectives. Canadian Journal of Soil Science, 2014, 94, 109-127.	1.2	60
123	Impact of subsurface drainage on streamflows in the Red River of the North basin. Journal of Hydrology, 2014, 511, 474-483.	5.4	38
124	Coupled modelling of the effect of overpressure on water discharge in a tile drainage system. Journal of Hydrology, 2014, 511, 39-48.	5.4	19
125	Convergent Surface Water Distributions in U.S. Cities. Ecosystems, 2014, 17, 685-697.	3.4	56
126	The potential for agricultural land use change to reduce flood risk in a large watershed. Hydrological Processes, 2014, 28, 3314-3325.	2.6	86
127	Hydrological pathways and nitrogen runoff in agricultural dominated catchments in Nordic and Baltic countries. Agriculture, Ecosystems and Environment, 2014, 195, 211-219.	5.3	27

#	Article	IF	CITATIONS
128	Numerical simulation of water flow in tile and mole drainage systems. Agricultural Water Management, 2014, 146, 105-114.	5.6	45
129	Effect of subsurface drainage on streamflow in an agricultural headwater watershed. Journal of Hydrology, 2014, 519, 438-445.	5.4	134
130	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
131	Nitrogen losses from small agricultural catchments in Lithuania. Agriculture, Ecosystems and Environment, 2014, 198, 54-64.	5.3	22
132	Ecological sensitivity of marl lakes to nutrient enrichment: evidence from Hawes Water, UK. Freshwater Biology, 2015, 60, 2226-2247.	2.4	21
133	Phosphorus Transport in Agricultural Subsurface Drainage: A Review. Journal of Environmental Quality, 2015, 44, 467-485.	2.0	358
134	Applicability of Models to Predict Phosphorus Losses in Drained Fields: A Review. Journal of Environmental Quality, 2015, 44, 614-628.	2.0	96
135	Aeration and Drainage. Agronomy, 2015, , 195-235.	0.2	2
136	Synergism in nitrate and orthophosphate removal in subsurface bioreactors. Ecological Engineering, 2015, 84, 559-568.	3.6	22
137	Drainage Impacts on Surficial Water Retention Capacity of a Prairie Pothole Watershed. Journal of the American Water Resources Association, 2015, 51, 1101-1113.	2.4	10
138	Seasonal Surface Drainage of Sloping Farmland: A Review of Its Hydrogeomorphic Impacts. Land Degradation and Development, 2015, 26, 35-44.	3.9	28
139	4R Water Quality Impacts: An Assessment and Synthesis of Forty Years of Drainage Nitrogen Losses. Journal of Environmental Quality, 2015, 44, 1852-1860.	2.0	49
140	Using AnnAGNPS to Predict the Effects of Tile Drainage Control on Nutrient and Sediment Loads for a River Basin. Journal of Environmental Quality, 2015, 44, 629-641.	2.0	17
141	Contributions of Systematic Tile Drainage to Watershed-Scale Phosphorus Transport. Journal of Environmental Quality, 2015, 44, 486-494.	2.0	146
142	Surface Runoff and Tile Drainage Transport of Phosphorus in the Midwestern United States. Journal of Environmental Quality, 2015, 44, 495-502.	2.0	240
143	Subsurface Drainage Design and Management to Meet Agronomic and Environmental Goals. , 0, , 199-208.		6
144	Long-Term Observations of Nitrogen and Phosphorus Export in Paired-Agricultural Watersheds under Controlled and Conventional Tile Drainage. Journal of Environmental Quality, 2015, 44, 1589-1604.	2.0	43
145	In Situ Method for Measuring Water Fluxes, Sediment, and Phosphorus at High Drip Infiltrometer Intensities in the Upper Half Meter of a Tilled Clay Soil. Communications in Soil Science and Plant Analysis, 2015, 46, 2139-2151.	1.4	0

#	Article	IF	CITATIONS
146	Classifying hydrological events to quantify their impact on nitrate leaching across three spatial scales. Journal of Hydrology, 2015, 531, 589-601.	5.4	22
147	Distributed, high-resolution modelling of critical source areas for erosion and phosphorus losses. Ambio, 2015, 44, 241-251.	5.5	29
148	Developing optimum subsurface drainage design procedures. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2015, 65, 121-127.	0.6	2
149	Climate change and subsurface drainage design: results from a small field-scale catchment in south-western Norway. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2015, 65, 58-65.	0.6	3
150	Contribution of tile drains to basin discharge and nitrogen export in a headwater agricultural watershed. Agricultural Water Management, 2015, 158, 42-50.	5.6	67
151	Ecological modernization in U.S. agri-environmental programs: Trends in the 2014 Farm Bill. Land Use Policy, 2015, 47, 209-217.	5.6	52
152	Spatial Variability of Soil Salinity under Subsurface Drainage. Communications in Soil Science and Plant Analysis, 2015, 46, 259-270.	1.4	8
153	Influence of higher rain intensities on phosphorus movements in the upper half meter of macroporous clay soil. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2015, 65, 93-99.	0.6	4
154	Screening risk areas for sediment and phosphorus losses to improve placement of mitigation measures. Ambio, 2015, 44, 612-623.	5.5	8
155	Adaptation Options for Land Drainage Systems Towards Sustainable Agriculture and the Environment: A Czech Perspective. Polish Journal of Environmental Studies, 2015, 24, 1085-1102.	1.2	10
156	Comparison of export dynamics of nutrients and animal-borne estrogens from a tile-drained Midwestern agroecosystem. Water Research, 2015, 72, 162-173.	11.3	28
157	Agricultural drainage in Lithuania: a review of practices and environmental effects. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2015, 65, 14-29.	0.6	8
158	Functional Land Management for managing soil functions: A case-study of the trade-off between primary productivity and carbon storage in response to the intervention of drainage systems in Ireland. Land Use Policy, 2015, 47, 42-54.	5.6	52
159	The MANAGE Drain Load database: Review and compilation of more than fifty years of North American drainage nutrient studies. Agricultural Water Management, 2015, 159, 277-289.	5.6	44
160	Drainage water management effects on tile discharge and water quality. Agricultural Water Management, 2015, 148, 43-51.	5.6	115
161	Water Quality Management in the Holland Marsh, Ontario. , 2016, , .		1
162	Effects of Envelope Materials and Drain Holes Spacing on Sub-Surface Drainage System in Akure, Nigeria. , 2016, , .		0
163	Assessment and Synthesis of 50 Years of Published Drainage Phosphorus Losses. Journal of Environmental Quality, 2016, 45, 1467-1477.	2.0	69

#	Article	IF	CITATIONS
164	Design and Hydrologic Performance of a Tile Drainage Treatment Wetland in Minnesota, USA. Water (Switzerland), 2016, 8, 549.	2.7	25
165	Assessment of the Impact of Subsurface Agricultural Drainage on Soil Water Storage and Flows of a Small Watershed. Water (Switzerland), 2016, 8, 326.	2.7	13
166	Impact of draining hilly lands on runoff and onâ€ s ite erosion: a case study from humid Ethiopia. Earth Surface Processes and Landforms, 2016, 41, 513-525.	2.5	8
167	Dynamics of Soil Water and Salinity Under Subsurface Drainage of a Coastal Area With High Groundwater Table in Spring and Rainy Season. Irrigation and Drainage, 2016, 65, 360-370.	1.7	14
168	Influence of instream habitat and water chemistry on amphibians in channelized agricultural headwater streams. Agriculture, Ecosystems and Environment, 2016, 230, 87-97.	5.3	12
169	Evaluation of Phosphorus Filter Media for an Inline Subsurface Drainage Treatment System. Journal of Environmental Quality, 2016, 45, 1919-1925.	2.0	7
170	Incentives and disincentives identified by producers and drainage contractors/experts on the adoption of controlled tile drainage in eastern Ontario, Canada. Water Quality Research Journal of Canada, 2016, 51, 1-16.	2.7	6
171	Is Collaboration a Good Investment? Modeling the Link Between Funds Given to Collaborative Watershed Councils and Water Quality. Journal of Public Administration Research and Theory, 2016, 26, 769-786.	3.3	28
172	Dual permeability modeling of tile drain management influences on hydrologic and nutrient transport characteristics in macroporous soil. Journal of Hydrology, 2016, 535, 392-406.	5.4	36
173	The Role of County Surveyors and County Drainage Boards in Addressing Water Quality. Environmental Management, 2016, 57, 1217-1229.	2.7	2
174	Advancing the Food-Energy–Water Nexus: Closing Nutrient Loops in Arid River Corridors. Environmental Science & Technology, 2016, 50, 8485-8496.	10.0	36
175	Inferring changes in water cycle dynamics of intensively managed landscapes via the theory of timeâ€variant travel time distributions. Water Resources Research, 2016, 52, 7593-7614.	4.2	27
176	Numerical investigation of the spatial scale and time dependency of tile drainage contribution to stream flow. Journal of Hydrology, 2016, 538, 651-666.	5.4	22
177	Farmers' Water Management Practice and Effective Rainfall and Runoff Ratio of Paddy Fields. Irrigation and Drainage, 2016, 65, 66-71.	1.7	5
178	Effect of crop type and season on nutrient leaching to tile drainage under a corn-soybean rotation. Journal of Soils and Water Conservation, 2016, 71, 56-68.	1.6	48
179	Agricultural soil acidity and phosphorus leaching risk at farm level in two focus areas. Acta Agriculturae Scandinavica - Section B Soil and Plant Science, 2016, 66, 359-368.	0.6	4
180	The reduction of hydrological models for less tedious practical applications. Comptes Rendus - Geoscience, 2016, 348, 89-98.	1.2	2
181	Loss of soil phosphorus by tile drains during storm events. Agricultural Water Management, 2016, 167, 21-28.	5.6	35

#	Article	IF	CITATIONS
182	Use of a flashiness index to predict phosphorus losses from subsurface drains on a Swedish farm with clay soils. Journal of Hydrology, 2016, 533, 581-590.	5.4	15
183	Increasing nitrate concentrations in streams draining into Lake Ontario. Journal of Great Lakes Research, 2016, 42, 356-363.	1.9	14
184	DRAINMOD-based tools for quantifying reductions in annual drainage flow and nitrate losses resulting from drainage water management on croplands in eastern North Carolina. Agricultural Water Management, 2016, 166, 86-100.	5.6	9
185	Has irrigated water from Mahaweli River contributed to the kidney disease of uncertain etiology in the dry zone of Sri Lanka?. Environmental Geochemistry and Health, 2016, 38, 679-690.	3.4	31
186	Control Points in Ecosystems: Moving Beyond the Hot Spot Hot Moment Concept. Ecosystems, 2017, 20, 665-682.	3.4	284
187	Fish assemblages in agricultural drains are resilient to habitat change caused by drain maintenance. Canadian Journal of Fisheries and Aquatic Sciences, 2017, 74, 1538-1548.	1.4	6
188	Hydrologic impacts of subsurface drainage from the field to watershed scale. Hydrological Processes, 2017, 31, 3017-3028.	2.6	20
189	Can created tidal marshes reduce nitrate export to downstream estuaries?. Ecological Engineering, 2017, 105, 314-324.	3.6	6
190	Comparison of Direct and Indirect Photolysis in Imazosulfuron Photodegradation. Journal of Agricultural and Food Chemistry, 2017, 65, 3103-3108.	5.2	15
191	Simulating phosphorus loss to subsurface tile drainage flow: a review. Environmental Reviews, 2017, 25, 150-162.	4.5	15
192	Impact of climate variability, drainage and land-cover changes on hemiboreal streamflow. Hydrological Sciences Journal, 2017, 62, 2558-2570.	2.6	5
193	Soil CO2, CH4, and N2O fluxes over and between tile drains on corn, soybean, and forage fields under tile drainage management. Nutrient Cycling in Agroecosystems, 2017, 109, 115-132.	2.2	11
194	Calibration of paired watersheds: Utility of moving sums in presence of externalities. Hydrological Processes, 2017, 31, 3458-3471.	2.6	10
195	Optimizing the Bioavailability of Subcutaneously Administered Biotherapeutics Through Mechanochemical Drivers. Pharmaceutical Research, 2017, 34, 2000-2011.	3.5	39
196	Maintenance of agricultural drains alters physical habitat, but not macroinvertebrate assemblages exploited by fishes. Journal of Environmental Management, 2017, 203, 29-39.	7.8	4
197	Effects of Drainage on Open-Water Mire Pools: Open Water Shrinkage and Vegetation Change of Pool Plant Communities. Wetlands, 2017, 37, 741-751.	1.5	2
198	Modeling of subsurface agricultural drainage using two hydrological models with different conceptual approaches as well as dimensions and spatial scales. Canadian Water Resources Journal, 2017, 42, 38-53.	1.2	13
199	A conceptual connectivity framework for understanding geomorphic change in human-impacted fluvial systems. Geomorphology, 2017, 277, 237-250.	2.6	115

#	Article	IF	CITATIONS
200	Influence of Controlled Drainage and Liquid Dairy Manure Application on Phosphorus Leaching from Intact Soil Cores. Journal of Environmental Quality, 2017, 46, 80-87.	2.0	9
201	Estimating Impacts of Agricultural Subsurface Drainage on Evapotranspiration Using the Landsat Imagery-Based METRIC Model. Hydrology, 2017, 4, 49.	3.0	18
202	Assessing Coastal Plain Risk Indices for Subsurface Phosphorus Loss. Journal of Environmental Quality, 2017, 46, 1270-1286.	2.0	9
203	Human amplified changes in precipitation–runoff patterns in large river basins of the Midwestern United States. Hydrology and Earth System Sciences, 2017, 21, 5065-5088.	4.9	64
204	Restored floodplains enhance denitrification compared to naturalized floodplains in agricultural streams. Biogeochemistry, 2018, 141, 419-437.	3.5	40
205	Salmonella and Fecal Indicator Bacteria Survival in Soils Amended with Poultry Manure. Water, Air, and Soil Pollution, 2018, 229, 1.	2.4	40
206	Critical transition in critical zone of intensively managed landscapes. Anthropocene, 2018, 22, 10-19.	3.3	72
207	A habitat-based framework to predict the effects of agricultural drain maintenance on imperiled fishes. Journal of Environmental Management, 2018, 206, 1104-1114.	7.8	8
208	Addressing agricultural phosphorus loss in artificially drained landscapes with 4R nutrient management practices. Journal of Soils and Water Conservation, 2018, 73, 35-47.	1.6	60
209	Key factors influencing differences in stream water quality across space. Wiley Interdisciplinary Reviews: Water, 2018, 5, e1260.	6.5	173
210	Natural and NH4+-enriched zeolitite amendment effects on nitrate leaching from a reclaimed agricultural soil (Ferrara Province, Italy). Nutrient Cycling in Agroecosystems, 2018, 110, 327-341.	2.2	25
211	Influence of artificial drainage system design on the nitrogen attenuation potential of gley soils: Evidence from hydrochemical and isotope studies under field-scale conditions. Journal of Environmental Management, 2018, 206, 1028-1038.	7.8	17
212	The effect of natural rainfall on salt leaching under watertable management. Land Degradation and Development, 2018, 29, 1953-1961.	3.9	20
213	Assessing strategies to mitigate phosphorus leaching from drained clay soils. Ambio, 2018, 47, 114-123.	5.5	9
214	Evaluation and localization of an artificial drainage network by 3D time-lapse electrical resistivity tomography. Environmental Science and Pollution Research, 2018, 25, 23502-23514.	5.3	10
215	Modelling stover and grain yields, and subsurface artificial drainage from long-term corn rotations using APSIM. Agricultural Water Management, 2018, 195, 154-171.	5.6	23
216	Impact of Changes in Groundwater Extractions and Climate Change on Groundwater-Dependent Ecosystems in a Complex Hydrogeological Setting. Water Resources Management, 2018, 32, 259-272.	3.9	48
217	DRAINMOD-simulated performance of controlled drainage across the U.S. Midwest. Agricultural Water Management, 2018, 197, 54-66.	5.6	57

		15	CITATIONS
#	Identifying marginal land for Multifunctional Perennial Cropping Systems in the Upper Sangamon	IF	CITATIONS
218	River watershed, Illinois. Journal of Soils and Water Conservation, 2018, 73, 669-681.	1.6	6
219	Effects of Subsurface Drainage Systems on Water and Nitrogen Footprints Simulated with RZWQM2. Transactions of the ASABE, 2018, 61, 245-261.	1.1	14
220	What Are the Key Catchment Characteristics Affecting Spatial Differences in Riverine Water Quality?. Water Resources Research, 2018, 54, 7252-7272.	4.2	58
221	Investigating "net―provenance, N source, transformation and fate within hydrologically isolated grassland plots. Agricultural Water Management, 2018, 203, 1-8.	5.6	5
222	Wetlands inform how climate extremes influence surface water expansion and contraction. Hydrology and Earth System Sciences, 2018, 22, 1851-1873.	4.9	16
223	Analysis of Basic Physical-Chemical Parameters, Nutrients and Heavy Metals Content in Surface Water of Small Catchment Area of KaraÅ _i ica and VuÄ i ca Rivers in Croatia. Environments - MDPI, 2018, 5, 20.	3.3	11
224	Experimental Study on the Potential Use of Bundled Crop Straws as Subsurface Drainage Material in the Newly Reclaimed Coastal Land in Eastern China. Water (Switzerland), 2018, 10, 31.	2.7	13
225	Managing controlled drainage in irrigated farmers' fields: A case study in the Moghan plain, Iran. Agricultural Water Management, 2018, 208, 393-405.	5.6	36
226	Effects of artificial land drainage on hydrology, nutrient and pesticide fluxes from agricultural fields – A review. Agriculture, Ecosystems and Environment, 2018, 266, 84-99.	5.3	74
227	Soil and water management: opportunities to mitigate nutrient losses to surface waters in the Northern Great Plains. Environmental Reviews, 2019, 27, 447-477.	4.5	50
228	Study on Characteristics of Nitrogen and Phosphorus Loss under an Improved Subsurface Drainage. Water (Switzerland), 2019, 11, 1467.	2.7	5
229	Managing crop nutrients to achieve water quality goals. Journal of Soils and Water Conservation, 2019, 74, 91A-101A.	1.6	14
230	Impacts of Subsurface Tile Drainage on Age—Concentration Dynamics of Inorganic Nitrogen in Soil. Water Resources Research, 2019, 55, 1470-1489.	4.2	24
231	Comparing Watershed Scale P Losses from Manure Spreading in Temperate Climates across Mechanistic Soil P Models. Journal of Hydrologic Engineering - ASCE, 2019, 24, 04019009.	1.9	4
232	Storm Event Nitrogen Dynamics in Waterfowl Impoundments. Water, Air, and Soil Pollution, 2019, 230, 1.	2.4	3
233	Influence of rainfall intensity and slope on suspended solids and phosphorus losses in runoff. Environmental Science and Pollution Research, 2019, 26, 33963-33975.	5.3	30
234	Hydroclimatic controls on runoff activation in an artificially drained, nearâ€level vertisolic clay landscape in a Prairie climate. Hydrological Processes, 2019, 33, 602-615.	2.6	10
235	Poor-drainage-induced salinization of agricultural lands: Management through structural measures. Land Use Policy, 2019, 82, 457-463.	5.6	29

#	Article	IF	CITATIONS
236	Quantifying the contribution of tile drainage to basin-scale water yield using analytical and numerical models. Science of the Total Environment, 2019, 657, 297-309.	8.0	38
237	Key Factors Affecting Temporal Variability in Stream Water Quality. Water Resources Research, 2019, 55, 112-129.	4.2	72
238	The influence of optimized allocation of agricultural water and soil resources on irrigation and drainage in the Jingdian Irrigation District, China. Irrigation Science, 2020, 38, 37-47.	2.8	13
239	Evaluation of the Soil Vulnerability Index for artificially drained cropland across eight Conservation Effects Assessment Project watersheds. Journal of Soils and Water Conservation, 2020, 75, 28-41.	1.6	5
240	Among-site variability in environmental and management characteristics: Effect on nutrient loss in agricultural tile drainage. Journal of Great Lakes Research, 2020, 46, 486-499.	1.9	7
241	Drainage Ditch Berm Delineation Using Lidar Data: A Case Study of Waseca County, Minnesota. Sustainability, 2020, 12, 9600.	3.2	2
242	Pairing soil sampling with very-high resolution UAV imagery: An examination of drivers of soil and nutrient movement and agricultural productivity in southern Ontario. Geoderma, 2020, 379, 114630.	5.1	7
243	Mapping of Agricultural Subsurface Drainage Systems Using a Frequency-Domain Ground Penetrating Radar and Evaluating Its Performance Using a Single-Frequency Multi-Receiver Electromagnetic Induction Instrument. Sensors, 2020, 20, 3922.	3.8	18
244	Mapping of 30-meter resolution tile-drained croplands using a geospatial modeling approach. Scientific Data, 2020, 7, 257.	5.3	47
245	DPSIR Model Applied to the Remediation of Contaminated Sites. A Case Study: Mar Piccolo of Taranto. Applied Sciences (Switzerland), 2020, 10, 5080.	2.5	12
246	IrrMapper: A Machine Learning Approach for High Resolution Mapping of Irrigated Agriculture Across the Western U.S Remote Sensing, 2020, 12, 2328.	4.0	33
247	Hydrologic assessment of blind inlet performance in a drained closed depression. Journal of Soils and Water Conservation, 2020, 75, 352-361.	1.6	6
248	Winter Rye Cover Crop Impacts on Runoff Water Quality in a Northern New York (USA) Tile-Drained Maize Agroecosystem. Water, Air, and Soil Pollution, 2020, 231, 1.	2.4	15
249	Impacts of Tile Drainage on Phosphorus Losses from Edge-of-Field Plots in the Lake Champlain Basin of New York. Water (Switzerland), 2020, 12, 328.	2.7	11
250	Processes and mechanisms controlling nitrate dynamics in an artificially drained field: Insights from high-frequency water quality measurements. Agricultural Water Management, 2020, 232, 106032.	5.6	27
251	Effects of Land Use on Stream Water Quality in the Rapidly Urbanized Areas: A Multiscale Analysis. Water (Switzerland), 2020, 12, 1123.	2.7	27
252	The effect of woodchip bioreactors on microbial concentration in subsurface drainage water and the associated risk of antibiotic resistance dissemination. Ecological Engineering: X, 2020, 143, 100017.	3.5	4
253	Improvement of the Water Erosion Prediction Project (WEPP) model for quantifying field scale subsurface drainage discharge. Agricultural Water Management, 2021, 244, 106597.	5.6	7

#	Article	IF	CITATIONS
254	Experiment and numerical simulation for designing layout parameters of subsurface drainage pipes in arid agricultural areas. Agricultural Water Management, 2021, 243, 106455.	5.6	31
255	Controls on subsurface nitrate and dissolved reactive phosphorus losses from agricultural fields during precipitation-driven events. Science of the Total Environment, 2021, 754, 142047.	8.0	24
256	Phosphorus fate, transport and management on subsurface drained agricultural organic soils: a review. Environmental Research Letters, 2021, 16, 013004.	5.2	20
257	The Spatiotemporal Evolution of Storm Pulse Particulate Organic Carbon in a Low Gradient, Agriculturally Dominated Watershed. Frontiers in Water, 2021, 3, .	2.3	5
258	Simulation study on performance of nitrogen loss of an improved subsurface drainage system for one-time drainage using HYDRUS-2D. Agricultural Water Management, 2021, 246, 106698.	5.6	12
259	Mapping of Agricultural Subsurface Drainage Systems Using Unmanned Aerial Vehicle Imagery and Ground Penetrating Radar. Sensors, 2021, 21, 2800.	3.8	13
260	Improvement of farmland drainage calculation method under environmental change in Huaibei plain [*] . Irrigation and Drainage, 2021, 70, 1347-1358.	1.7	1
261	The importance of the hydrological pathways in exporting nitrogen from grazed artificially drained land. Journal of Hydrology, 2021, 597, 126218.	5.4	8
263	Effects of Controlled Drainage on the Content Change and Migration of Moisture, Nutrients, and Salts in Soil and the Yield of Oilseed Sunflower in the Hetao Irrigation District. Sustainability, 2021, 13, 9835.	3.2	5
265	Design drainage rates to optimize crop production for subsurface-drained fields. Agricultural Water Management, 2021, 257, 107045.	5.6	11
266	Predicting the effect of drain depth on profitability and hydrology of subsurface drainage systems across the eastern USA. Agricultural Water Management, 2021, 258, 107072.	5.6	10
267	Extending vegetative cover with cover crops influenced phosphorus loss from an agricultural watershed. Science of the Total Environment, 2021, 801, 149501.	8.0	9
268	Linkages between soil organic matter and magnetic mineral formation in agricultural fields in southeastern Minnesota, USA. Geoderma, 2022, 406, 115466.	5.1	8
269	Monitoring wetland water quality related to livestock grazing in amphibian habitats. Environmental Monitoring and Assessment, 2021, 193, 58.	2.7	3
270	Sediment and Phosphorus Export from a Lowland Catchment: Quantification of Sources. , 1997, , 465-476.		4
271	Water-quality issues facing dairy farming: potential natural and built attenuation of nitrate losses in sensitive agricultural catchments. Animal Production Science, 2020, 60, 67.	1.3	5
272	WATER MANAGEMENT AND N, P LOSSES FROM PADDY FIELDS IN SOUTHERN KOREA. Journal of the American Water Resources Association, 2006, 42, 1205-1216.	2.4	31
273	Temporal trends in nitrogen concentrations in Estonian rivers. Journal of Water Security, 2015, 1, 37-45.	0.2	1

#	ARTICLE	IF	CITATIONS
275	Nitrogen Balances at Ecosystem, Landscape, Regional, and Global Scales. Agronomy, 0, , 731-758.	0.2	3
276	Artificially Drained Catchments—From Monitoring Studies towards Management Approaches. Vadose Zone Journal, 2010, 9, 1.	2.2	22
277	Appropriate classification of three Swedish soils for agrarian and environmental management. Agricultural and Food Science, 2004, 13, 378.	0.9	3
278	Nutrient Exports from Two Agriculture-Dominated Watersheds in Southern Sweden. Hydrology Research, 1998, 29, 41-56.	2.7	7
279	The impact of lime on water quality when draining clay soils. Ekologija (Vilnius, Lithuania), 2008, 54, 22-28.	0.2	6
280	Spatial and Temporal Variations of Nutrient Loads in Overland Flow and Subsurface Drainage from A Marginal Land Site in South-East Ireland. Biology and Environment, 2013, 113, 1-18.	0.3	13
281	High-Resolution Mapping of Tile Drainage in Agricultural Fields Using Unmanned Aerial System (UAS)-Based Radiometric Thermal and Optical Sensors. Hydrology, 2021, 8, 2.	3.0	10
284	Recycling Vertical-Flow Biofilter: A Treatment System for Agricultural Subsurface Tile Water. , 0, , .		2
285	An Assessment of Lime Filter Drainage Systems. , 0, , .		1
286	Impact of drained and un-drained soil conditions on water table depths, soil salinity and crop yields. African Journal of Agricultural Research Vol Pp, 2012, 7, .	0.5	3
287	The 1909 North Carolina Drainage Act and Agricultural Drainage Effects in Eastern North Carolina. Journal of the North Carolina Academy of Science, 2012, 128, 59-73.	0.2	3
288	Rapid changes in agricultural land use and hydrology in the Driftless Region. , 2021, 4, e20214.		4
291	Northern Midwest (U.S.) Farmers' Views of the Conversion Process. Advances in Agroecology, 2009, , .	0.3	0
292	Is Collaboration a Good Investment? Modeling the Impact of Government Support for Nonprofit Collaborative Watershed Management Councils SSRN Electronic Journal, 0, , .	0.4	1
293	Drainage Trench Conductivity and Biogenic Materials Retention. , 0, , .		0
294	INFLUENCE OF DRAINAGE METHODS ON SOYBEAN DEVELOPMENT IN LOWLANDS. Engenharia Agricola, 2020, 40, 45-52.	0.7	1
295	Ecosystem services (ES) provided by ditches in a desert agricultural valley. Ecological Engineering, 2022, 174, 106462.	3.6	0
296	Wetland and Hydric Soils. , 2020, , 99-126.		4

#	Article	IF	CITATIONS
297	Identifying artificially drained pasture soils using machine learning and Earth observation imagery. Journal of Applied Remote Sensing, 2020, 14, 1.	1.3	3
298	The Impact of Mosaic Land Use and Land Cover on the Quality of River Waters (Case Study: Lubelskie) Tj ETQq1 1	0.78431	4 ggBT /Ove
299	Chapitre 9 - Conséquences sur le cycle de l'eau des changements d'usages dans l'espace du bassin versant. , 2012, , 346-381.		0
300	The Impact of Automated Drainage Water Management on Groundwater, Soil Moisture, and Tile Outlet Discharge Following Storm Events. SSRN Electronic Journal, 0, , .	0.4	0
301	Changes in Certain Paddy Soil Properties under Perforated Sheet Pipe as Subsurface Shallow Drainage. Japan Agricultural Research Quarterly, 2022, 56, 59-66.	0.4	0
302	Effects of Drainage Water Management in a Corn–Soy Rotation on Soil N2O and CH4 Fluxes. Nitrogen, 2022, 3, 128-148.	1.3	5
303	Modeling the Hydrologic Influence of Subsurface Tile Drainage Using the National Water Model. Water Resources Research, 2022, 58, .	4.2	9
304	Heavy Precipitation Impacts on Nitrogen Loading to the Gulf of Mexico in the 21st Century: Model Projections Under Future Climate Scenarios. Earth's Future, 2022, 10, .	6.3	10
305	Development and application of DRAINMOD model for simulating crop yield and water conservation benefits of drainage water recycling. Agricultural Water Management, 2022, 266, 107592.	5.6	10
306	Using multiple isotopic and geochemical tracers to disentangle the sources of baseflow and salinity in the headwaters of a large agricultural watershed. Journal of Hydrology, 2022, 609, 127769.	5.4	4
307	Assessing the impact of shallow subsurface pipe drainage on soil salinity and crop yield in arid zone. PeerJ, 2021, 9, e12622.	2.0	2
312	GIS-based spatial prediction of poor-drainage areas using frequency ratio: a case study of Tekirdag Province, Turkey. Applied Geomatics, 2022, 14, 369-386.	2.5	3
313	A new agro-hydrological catchment model to assess the cumulative impact of small reservoirs. Environmental Modelling and Software, 2022, 153, 105409.	4.5	3
314	The Institutional Costs of Adaptation: Agricultural Drainage in the United States. SSRN Electronic Journal, 0, , .	0.4	1
315	Row Spacing and the Use of Plant-Available Water in Sugarcane Cultivation in Water-Abundant Louisiana. Agronomy, 2022, 12, 1586.	3.0	2
316	NIT-DRAIN model to simulate nitrate concentrations and leaching in a tile-drained agricultural field. Agricultural Water Management, 2022, 271, 107798.	5.6	2
317	Comparing alternative conceptual models for tile drains and soil heterogeneity for the simulation of tile drainage in agricultural catchments. Journal of Hydrology, 2022, 612, 128120.	5.4	3
318	Isolation and evaluation of brackish diatoms for the photobiological treatment of reverse osmosis concentrate. Journal of Water Supply: Research and Technology - AQUA, 0, , .	1.4	0

ARTICLE IF CITATIONS # The impact of automated drainage water management on groundwater, soil moisture, and tile outlet 319 5.6 4 discharge following storm events. Agricultural Water Management, 2022, 272, 107828. Assessing the concept of control points for dissolved reactive phosphorus losses in subsurface drainage. Journal of Environmental Quality, 0, , . The spatiotemporal trajectory of US agricultural irrigation withdrawal during 1981–2015. 321 5.24 Environmental Research Letters, 2022, 17, 104027. Mapping the restoration of degraded peatland as a research area: A scientometric review. Frontiers in Environmental Science, 0, 10, . Patterns of long-term variations of nitrate concentration â€" Stream discharge relationships for a 323 5.4 3 drained agricultural watershed in Mid-western USA. Journal of Hydrology, 2022, 614, 128479. Analysis of reactive phosphorus treatment by filter materials at the edge of tile-drained agricultural catchments: A global view of the current status and challenges. Journal of Environmental 324 7.8 Management, 2022, 324, 116329. Phosphorus adsorption on ironâ€coated sand under reducing conditions. Journal of Environmental 325 2.0 1 Quality, 0, , . Shrinkage Behavior of Aquands Along a Longitudinal Climatic Gradient in Southern Chile. Journal of 3.4 Soil Science and Plant Nutrition, 0, , Drainage water management impacts soil properties in floodplain soils in the midwestern, USA. 327 5.6 4 Agricultural Water Management, 2023, 279, 108193. Drainage water recycling reduced nitrogen, phosphorus, and sediment losses from a drained 5.6 agricultural field in eastern North Carolina, U.S.A. Agricultural Water Management, 2023, 279, 108179. Water quality risks in the Murray-Darling basin. Australian Journal of Water Resources, 2023, 27, 329 2.7 6 85-102. In-drain denitrifying woodchip bioreactors for reducing nitrogen runoff from sugarcane. Ecological Engineering, 2023, 192, 106986. 3.6 Nutrient release in drainage discharge from organic soils under two different agricultural water 332 2.6 0 management systems. Hydrological Processes, 2023, 37, . Hydrosedimentary behavior of a field combining surface drains and tile drains. Soil and Tillage Research, 2023, 234, 105851. 333 5.6 Comparative Sensitivity Analysis of Hydrology and Relative Corn Yield under Different Subsurface 334 2.50 Drainage Design Using DRAINMOD. Applied Sciences (Switzerland), 2023, 13, 9252. Study on Water and Salt Transport under Different Subsurface Pipe Arrangement Conditions in Severe Saline–Alkali Land in Hetao Irrigation District with DRAINMOD Model. Water (Switzerland), 2023, 15, 3001. 337 The Phosphorus Cycle. , 2024, , 359-425. 0 The influence of nitrate pollution on elemental and isotopic composition of aquatic and semi-aquatic 338 bryophytes. Aquatic Botany, 2024, 190, 103710.

#	Article	IF	CITATIONS
339	Predicting the effect of weir management on the discharge of a controlled drainage system in a changing climate. Agricultural Water Management, 2023, 289, 108534.	5.6	0
340	Evaluating the Effects of Controlled Drainage on Nitrogen Uptake, Utilization, Leaching, and Loss in Farmland Soil. Agronomy, 2023, 13, 2936.	3.0	0
341	Impact of Noâ€ŧill, Crop Rotation, Cover Crop, and Drainage on Soil Physical and Hydraulic Properties. Soil Science Society of America Journal, 0, , .	2.2	0
342	A way to determine groundwater contributions to large river systems: The Elbe River during drought conditions. Journal of Hydrology: Regional Studies, 2023, 50, 101595.	2.4	0
343	Synergistic regulation of irrigation and drainage based on crop salt tolerance and leaching threshold. Agricultural Water Management, 2024, 292, 108679.	5.6	0
344	Physiographic Environment Classification: a Controlling Factor Classification of Landscape Susceptibility to Waterborne Contaminant Loss. Environmental Management, 0, , .	2.7	0