Damodhara R Mailapalli

List of Publications by Year
in descending order

51 papers	675 citations	777949 13 h-index	685536 24 g-index
52 all docs	52 docs citations	52 times ranked	824 citing authors

#	Article	IF	Citations
1	Engineered Urea-Doped Hydroxyapatite Nanomaterials as Nitrogen and Phosphorus Fertilizers for Rice. ACS Agricultural Science and Technology, 2022, 2, 100-112.	1.0	10
2	Measurements and Comparison of Saturated Hydraulic Conductivity under different Landuses. Journal of the Institution of Engineers (India): Series A, 2022, 103, 509-518.	0.6	2
3	Urea loaded hydroxyapatite nanocarrier for efficient delivery of plant nutrients in rice. Archives of Agronomy and Soil Science, 2021, 67, 371-382.	1.3	23
4	Estimation of evapotranspiration for paddy under alternate wetting and drying irrigation practice[*]. Irrigation and Drainage, 2021, 70, 195-206.	0.8	9
5	Treated municipal wastewater to fulfil crop water footprints and irrigation demand â€“ a review. Water Science and Technology: Water Supply, 2021, 21, 1398-1409.	1.0	6
6	Simulating nitrogen transport in paddy crop irrigated with alternate wetting and drying practice. Paddy and Water Environment, 2021, 19, 499-513.	1.0	16
7	APSIM-Oryza model for simulating paddy consumptive water footprints under alternate wetting and drying practice for Kharagpur, West Bengal, India. Paddy and Water Environment, 2021, 19, 481.	1.0	5
8	Modelling the effect of changing transplanting date on consumptive water footprints for paddy under the system of rice intensification. Journal of the Science of Food and Agriculture, 2021, 101, 5378-5390.	1.7	4
9	Consumptive water footprints, water use efficiencies and productivities of rice under alternate wetting and drying for Kharagpur, West Bengal, India. Water Science and Technology: Water Supply, 2021, 21, 2935-2946.	1.0	3
10	Water Use Efficiencies, Productivities, and Footprints of Rice under a System of Rice Intensification Practice. ACS Agricultural Science and Technology, 2021, 1, 262-269.	1.0	2
11	Identifying most promising agronomic adaptation strategies to close rainfed rice yield gap in future: a model-based assessment. Journal of Water and Climate Change, 2021, 12, 2854-2874.	1.2	3
12	Hydrus-1D for Simulating Potassium Transport in Flooded Paddy Soils. Communications in Soil Science and Plant Analysis, 2021, 52, 2803-2820.	0.6	5
13	Assessment of rice yield gap under a changing climate in India. Journal of Water and Climate Change, 2021, 12, 1245-1267.	1.2	9
14	Hydrus-1D model for simulating water flow through paddy soils under alternate wetting and drying irrigation practice. Paddy and Water Environment, 2020, 18, 73-85.	1.0	15
15	Nanopesticides for Pest Control. Sustainable Agriculture Reviews, 2020, , 43-74.	0.6	14
16	Synthesis of Nanofertilizers by Planetary Ball Milling. Sustainable Agriculture Reviews, 2020, , 75-112.	0.6	12
17	Zeolite coated urea fertilizer using different binders: Fabrication, material properties and nitrogen release studies. Environmental Technology and Innovation, 2019, 16, 100452.	3.0	55
18	Comparison of Saturated Hydraulic Conductivity Methods for Sandy Loam Soil with Different Land Uses. , 2019, , 99-117.		3

#	Article	IF	Citations
19	Development of control release urea fertilizer model for water and nitrogen movement in flooded rice. Paddy and Water Environment, 2018, 16, 1-13.	1.0	14
20	Quantifying yield gap for rice cropping systems in Lower Gangetic Plains. Paddy and Water Environment, 2018, 16, 601-615.	1.0	7
21	Evaluation of Nitrogen Fertilization Patterns Using DSSAT for Enhancing Grain Yield and Nitrogen Use Efficiency in Rice. Communications in Soil Science and Plant Analysis, 2018, 49, 1401-1417.	0.6	6
22	Interaction of Engineered Nanoparticles with the Agri-environment. Journal of Agricultural and Food Chemistry, 2017, 65, 8279-8294.	2.4	73
23	A Multi-Model Ensemble Approach for Stream Flow Simulation. , 2017, , 71-102.		3
24	Nanofertilisers, Nanopesticides, Nanosensors of Pest and Nanotoxicity in Agriculture. Sustainable Agriculture Reviews, 2016, , 307-330.	0.6	109
25	Effect of Polyacrylamide Coated Biosolid on Phosphorus Movement in a Soil-plant-water System. Journal of Solid Waste Technology and Management, 2016, 42, 260-271.	0.2	0
26	Biomechanics of the Taekwondo Axe Kick: a review. Journal of Human Sport and Exercise, 2015, 10, .	0.2	12
27	New Approach for Estimating Hydraulic Properties of Soils in Cold Regions. , 2013, , .		0
28	Crop Residue Biomass Effects on Agricultural Runoff. Applied and Environmental Soil Science, 2013, 2013, 1-8.	0.8	11
29	Sediment Transport Model for a Surface Irrigation System. Applied and Environmental Soil Science, 2013, 2013, 1-10.	0.8	3
30	Infiltration, Runoff, and Export of Dissolved Organic Carbon from Furrow-Irrigated Forage Fields under Cover Crop and No-Till Management in the Arid Climate of California. Journal of Irrigation and Drainage Engineering - ASCE, 2012, 138, 35-42.	0.6	18
31	Nitrogen Leaching from Saybrook Soil Amended with Biosolid and Polyacrylamide. Journal of Water Resource and Protection, 2012, 04, 968-979.	0.3	4
32	Infiltration Evaluation Strategy for Border Irrigation Management. Journal of Irrigation and Drainage Engineering - ASCE, 2011, 137, 602-609.	0.6	4
33	Polyacrylamide coated Milorganiteâ„¢ and gypsum for controlling sediment and phosphorus loads. Agricultural Water Management, 2011, 101, 27-34.	2.4	7
34	Application of pesticide transport model for simulating diazinon runoff in Californiaâ€™s central valley. Journal of Hydrology, 2010, 395, 79-90.	2.3	8
35	Discussion of â€œApplication of a Nonstandard Explicit Integration to Solve Green and Ampt Infiltration Equationâ€•by D. R. Mailapalli, W. W. Wallender, R. Singh, and N. S. Raghuwanshi. Journal of Hydrologic Engineering - ASCE, 2010, 15, 595-596.	0.8	1
36	Discussion of â€œQuick Method for Estimating Furrow Infiltrationâ€•by Damodhara R. Mailapalli, W. W. Wallender, N. S. Raghuwanshi, and R. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2010, 136, 73-75.	0.6	6

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37	Effects of field length and management practices on dissolved organic carbon export in furrow irrigation. Agricultural Water Management, 2010, 98, 29-37.	2.4	10
38	Closure to â€œQuick Method for Estimating Furrow Infiltrationâ€•by Damodhara R. Mailapalli, W. W. Wallender, N. S. Raghuwanshi, and R. Singh. Journal of Irrigation and Drainage Engineering - ASCE, 2010, 136, 75-76.	0.6	1
39	Modeling Water Temperature in Furrow Irrigation Systems. , 2009, , .		0
40	Application of a Nonstandard Explicit Integration to Solve Green and Ampt Infiltration Equation. Journal of Hydrologic Engineering - ASCE, 2009, 14, 203-206.	0.8	14
41	Closure to â€œApplication of a Nonstandard Explicit Integration to Solve Green and Ampt Infiltration Equationâ€•by Damodhara R. Mailapalli, Wesley W. Wallender, Rajendra Singh, and Narendra S. Raghuwanshi. Journal of Hydrologic Engineering - ASCE, 2009, 14, 1196-1196.	0.8	0
42	Discussion of â€œApplication of a Nonstandard Explicit Integration to Solve Green and Ampt Infiltration Equationâ€•by Damodhara R. Mailapalli, Wesley W. Wallender, Rajendra Singh, and Narendra S. Raghuwanshi. Journal of Hydrologic Engineering - ASCE, 2009, 14, 1195-1195.	0.8	0
43	Sediment transport in furrow irrigation. Irrigation Science, 2009, 27, 449-456.	1.3	6
44	Physically Based Model for Simulating Flow in Furrow Irrigation. II: Model Evaluation. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 747-754.	0.6	5
45	Physically Based Model for Simulating Flow in Furrow Irrigation. I: Model Development. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 739-746.	0.6	10
46	Evaluation of time domain reflectometry (TDR) for estimating furrow infiltration. Irrigation Science, 2008, 26, 161-168.	1.3	5
47	Quick Method for Estimating Furrow Infiltration. Journal of Irrigation and Drainage Engineering - ASCE, 2008, 134, 788-795.	0.6	17
48	Spatial and Temporal Variation of Manningâ€™s Roughness Coefficient in Furrow Irrigation. Journal of Irrigation and Drainage Engineering - ASCE, 2008, 134, 185-192.	0.6	32
49	Performance evaluation of hydrocyclone filter for microirrigation. Engenharia Agricola, 2007, 27, 373-382.	0.2	9
50	Study of infiltration process under different experimental conditions. Agricultural Water Management, 2006, 83, 69-78.	2.4	44
51	Development of a physically based 1D-infiltration model for irrigated soils. Agricultural Water Management, 2006, 85, 165-174.	2.4	39