

Damodhara R Mailapalli

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

675
citations

687363

13
h-index

610901

24
g-index

52
all docs

52
docs citations

52
times ranked

741
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanofertilisers, Nanopesticides, Nanosensors of Pest and Nanotoxicity in Agriculture. Sustainable Agriculture Reviews, 2016, , 307-330.	1.1	109
2	Interaction of Engineered Nanoparticles with the Agri-environment. Journal of Agricultural and Food Chemistry, 2017, 65, 8279-8294.	5.2	73
3	Zeolite coated urea fertilizer using different binders: Fabrication, material properties and nitrogen release studies. Environmental Technology and Innovation, 2019, 16, 100452.	6.1	55
4	Study of infiltration process under different experimental conditions. Agricultural Water Management, 2006, 83, 69-78.	5.6	44
5	Development of a physically based 1D-infiltration model for irrigated soils. Agricultural Water Management, 2006, 85, 165-174.	5.6	39
6	Spatial and Temporal Variation of Manning's Roughness Coefficient in Furrow Irrigation. Journal of Irrigation and Drainage Engineering - ASCE, 2008, 134, 185-192.	1.0	32
7	Urea loaded hydroxyapatite nanocarrier for efficient delivery of plant nutrients in rice. Archives of Agronomy and Soil Science, 2021, 67, 371-382.	2.6	23
8	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.	1.0	18
9	Quick Method for Estimating Furrow Infiltration. Journal of Irrigation and Drainage Engineering - ASCE, 2008, 134, 788-795.	1.0	17
10	Simulating nitrogen transport in paddy crop irrigated with alternate wetting and drying practice. Paddy and Water Environment, 2021, 19, 499-513.	1.8	16
11	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.	1.8	15
12	Application of a Nonstandard Explicit Integration to Solve Green and Ampt Infiltration Equation. Journal of Hydrologic Engineering - ASCE, 2009, 14, 203-206.	1.9	14
13	Development of control release urea fertilizer model for water and nitrogen movement in flooded rice. Paddy and Water Environment, 2018, 16, 1-13.	1.8	14
14	Nanopesticides for Pest Control. Sustainable Agriculture Reviews, 2020, , 43-74.	1.1	14
15	Synthesis of Nanofertilizers by Planetary Ball Milling. Sustainable Agriculture Reviews, 2020, , 75-112.	1.1	12
16	Biomechanics of the Taekwondo Axe Kick: a review. Journal of Human Sport and Exercise, 2015, 10, .	0.4	12
17	Crop Residue Biomass Effects on Agricultural Runoff. Applied and Environmental Soil Science, 2013, 2013, 1-8.	1.7	11
18	Physically Based Model for Simulating Flow in Furrow Irrigation. I: Model Development. Journal of Irrigation and Drainage Engineering - ASCE, 2009, 135, 739-746.	1.0	10

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19	Effects of field length and management practices on dissolved organic carbon export in furrow irrigation. <i>Agricultural Water Management</i> , 2010, 98, 29-37.	5.6	10
20	Engineered Urea-Doped Hydroxyapatite Nanomaterials as Nitrogen and Phosphorus Fertilizers for Rice. <i>ACS Agricultural Science and Technology</i> , 2022, 2, 100-112.	2.3	10
21	Performance evaluation of hydrocyclone filter for microirrigation. <i>Engenharia Agricola</i> , 2007, 27, 373-382.	0.7	9
22	Estimation of evapotranspiration for paddy under alternate wetting and drying irrigation practice. <i>Irrigation and Drainage</i> , 2021, 70, 195-206.	1.7	9
23	Assessment of rice yield gap under a changing climate in India. <i>Journal of Water and Climate Change</i> , 2021, 12, 1245-1267.	2.9	9
24	Application of pesticide transport model for simulating diazinon runoff in California's central valley. <i>Journal of Hydrology</i> , 2010, 395, 79-90.	5.4	8
25	Polyacrylamide coated Milorganite and gypsum for controlling sediment and phosphorus loads. <i>Agricultural Water Management</i> , 2011, 101, 27-34.	5.6	7
26	Quantifying yield gap for rice cropping systems in Lower Gangetic Plains. <i>Paddy and Water Environment</i> , 2018, 16, 601-615.	1.8	7
27	Sediment transport in furrow irrigation. <i>Irrigation Science</i> , 2009, 27, 449-456.	2.8	6
28	Discussion of "Quick Method for Estimating Furrow Infiltration" by Damodhara R. Mailapalli, W. W. Wallender, N. S. Raghuwansi, and R. Singh. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2010, 136, 73-75.	1.0	6
29	Evaluation of Nitrogen Fertilization Patterns Using DSSAT for Enhancing Grain Yield and Nitrogen Use Efficiency in Rice. <i>Communications in Soil Science and Plant Analysis</i> , 2018, 49, 1401-1417.	1.4	6
30	Treated municipal wastewater to fulfil crop water footprints and irrigation demand – a review. <i>Water Science and Technology: Water Supply</i> , 2021, 21, 1398-1409.	2.1	6
31	Evaluation of time domain reflectometry (TDR) for estimating furrow infiltration. <i>Irrigation Science</i> , 2008, 26, 161-168.	2.8	5
32	Physically Based Model for Simulating Flow in Furrow Irrigation. II: Model Evaluation. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2009, 135, 747-754.	1.0	5
33	APSIM-Oryza model for simulating paddy consumptive water footprints under alternate wetting and drying practice for Kharagpur, West Bengal, India. <i>Paddy and Water Environment</i> , 2021, 19, 481.	1.8	5
34	Hydrus-1D for Simulating Potassium Transport in Flooded Paddy Soils. <i>Communications in Soil Science and Plant Analysis</i> , 2021, 52, 2803-2820.	1.4	5
35	Infiltration Evaluation Strategy for Border Irrigation Management. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2011, 137, 602-609.	1.0	4
36	Modelling the effect of changing transplanting date on consumptive water footprints for paddy under the system of rice intensification. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 5378-5390.	3.5	4

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37	Nitrogen Leaching from Saybrook Soil Amended with Biosolid and Polyacrylamide. <i>Journal of Water Resource and Protection</i> , 2012, 04, 968-979.	0.8	4
38	Sediment Transport Model for a Surface Irrigation System. <i>Applied and Environmental Soil Science</i> , 2013, 2013, 1-10.	1.7	3
39	A Multi-Model Ensemble Approach for Stream Flow Simulation. , 2017, , 71-102.		3
40	Comparison of Saturated Hydraulic Conductivity Methods for Sandy Loam Soil with Different Land Uses. , 2019, , 99-117.		3
41	Consumptive water footprints, water use efficiencies and productivities of rice under alternate wetting and drying for Kharagpur, West Bengal, India. <i>Water Science and Technology: Water Supply</i> , 2021, 21, 2935-2946.	2.1	3
42	Identifying most promising agronomic adaptation strategies to close rainfed rice yield gap in future: a model-based assessment. <i>Journal of Water and Climate Change</i> , 2021, 12, 2854-2874.	2.9	3
43	Water Use Efficiencies, Productivities, and Footprints of Rice under a System of Rice Intensification Practice. <i>ACS Agricultural Science and Technology</i> , 2021, 1, 262-269.	2.3	2
44	Measurements and Comparison of Saturated Hydraulic Conductivity under different Landuses. <i>Journal of the Institution of Engineers (India): Series A</i> , 2022, 103, 509-518.	1.2	2
45	Discussion of "Application of a Nonstandard Explicit Integration to Solve Green and Ampt Infiltration Equation" by D. R. Mailapalli, W. W. Wallender, R. Singh, and N. S. Raghuvanshi. <i>Journal of Hydrologic Engineering - ASCE</i> , 2010, 15, 595-596.	1.9	1
46	Closure to "Quick Method for Estimating Furrow Infiltration" by Damodhara R. Mailapalli, W. W. Wallender, N. S. Raghuvanshi, and R. Singh. <i>Journal of Irrigation and Drainage Engineering - ASCE</i> , 2010, 136, 75-76.	1.0	1
47	Modeling Water Temperature in Furrow Irrigation Systems. , 2009, , .		0
48	Closure to "Application of a Nonstandard Explicit Integration to Solve Green and Ampt Infiltration Equation" by Damodhara R. Mailapalli, Wesley W. Wallender, Rajendra Singh, and Narendra S. Raghuvanshi. <i>Journal of Hydrologic Engineering - ASCE</i> , 2009, 14, 1196-1196.	1.9	0
49	Discussion of "Application of a Nonstandard Explicit Integration to Solve Green and Ampt Infiltration Equation" by Damodhara R. Mailapalli, Wesley W. Wallender, Rajendra Singh, and Narendra S. Raghuvanshi. <i>Journal of Hydrologic Engineering - ASCE</i> , 2009, 14, 1195-1195.	1.9	0
50	New Approach for Estimating Hydraulic Properties of Soils in Cold Regions. , 2013, , .		0
51	Effect of Polyacrylamide Coated Biosolid on Phosphorus Movement in a Soil-plant-water System. <i>Journal of Solid Waste Technology and Management</i> , 2016, 42, 260-271.	0.2	0