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Water Infiltration in Layered Soils with Air Entrapment: Modified Green-Ampt Model and Experimental Validation

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#	Paper	IF	Citations
42	Green-Ampt Infiltration Models for Varied Field Conditions: A Revisit. <i>Water Resources Management</i> , 2011 , 25, 3505-3536	3.7	45
41	Water Infiltration in Layered Soils with Air Entrapment: Modified Green-Ampt Model and Experimental Validation. <i>Journal of Hydrologic Engineering - ASCE</i> , 2011 , 16, 628-638	1.8	35
40	Comparison of confined and unconfined infiltration in transparent porous media. <i>Water Resources Research</i> , 2013 , 49, 851-863	5.4	28
39	Time and Flow Characteristics of Component Hydrographs Related to Rainfall-Streamflow Observations. <i>Journal of Hydrologic Engineering - ASCE</i> , 2013 , 18, 675-688	1.8	3
38	Review on airflow in unsaturated zones induced by natural forcings. <i>Water Resources Research</i> , 2013 , 49, 6137-6165	5.4	72
37	Regional vegetation dynamics and its response to climate change— case study in the Tao River Basin in Northwestern China. <i>Environmental Research Letters</i> , 2014 , 9, 125003	6.2	30
36	Soil texture and layering effects on water and salt dynamics in the presence of a water table: a review. <i>Environmental Reviews</i> , 2014 , 22, 41-50	4.5	64
35	Green and Ampt infiltration model extended beyond rain duration. <i>Water and Environment Journal</i> , 2015 , 29, 515-522	1.7	1
34	Derivation of the Relationships between Green-Ampt Model Parameters and Soil Hydraulic Properties. <i>Soil Science Society of America Journal</i> , 2015 , 79, 1030-1042	2.5	16
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31	Simulations of water movement and solute transport through different soil texture configurations under negative-pressure irrigation. <i>Hydrological Processes</i> , 2017 , 31, 2599-2612	3.3	13
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27	Modeling Infiltration and Runoff with Surface Crust under Unsteady Rainfalls. <i>Journal of Hydrologic Engineering - ASCE</i> , 2018 , 23, 04018027	1.8	2
26	Upward capillary leaching. <i>Hydrometallurgy</i> , 2018 , 175, 273-277	4	1

25	A practical approach for reliability analysis of unsaturated slope by conditional random finite element method. <i>Computers and Geotechnics</i> , 2018 , 102, 79-91	4.4	20
24	Analysis of the Hydraulic Properties of Undisturbed Layered Loess in Northwest China. <i>Water (Switzerland)</i> , 2019 , 11, 1379	3	2
23	Vertical Zonality of Nonferrous Metal Salt Settling-Down on Evaporation Barrier. <i>Journal of Mining Science</i> , 2019 , 55, 134-141	0.8	0
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19	Infiltration characteristics of lateritic vadose zones: Field experiments and modeling. <i>Soil and Tillage Research</i> , 2019 , 187, 219-234	6.5	11
18	Time-dependent slope stability during intense rainfall with stratified soil water content. <i>Bulletin of Engineering Geology and the Environment</i> , 2019 , 78, 4805-4819	4	7
17	Infiltration-runoff model for layered soils considering air resistance and unsteady rainfall. 2019 , 50, 431-458		4
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- 3 Capillary Rise in Layered Soils. **2023**, 13, 3374 ○
- 2 Water infiltration and soil-water characteristics of compacted loess under applied vertical stress. **2023**, 20, 873-885 ○
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