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Applicability of the Green-Ampt Infiltration Model with Shallow Boundary Conditions

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#	Paper	IF	Citations
32	Green-Ampt Infiltration Models for Varied Field Conditions: A Revisit. <i>Water Resources Management</i> , 2011 , 25, 3505-3536	3.7	45
31	Applicability of the Green-Ampt Infiltration Model with Shallow Boundary Conditions. <i>Journal of Hydrologic Engineering - ASCE</i> , 2011 , 16, 266-273	1.8	31
30	Predicting water table response to rainfall events, central Florida. <i>Ground Water</i> , 2013 , 51, 350-62	2.4	9
29	Local- and field-scale infiltration into vertically non-uniform soils with spatially-variable surface hydraulic conductivities. <i>Hydrological Processes</i> , 2012 , 26, 3293-3301	3.3	12
28	Pseudo-hysteretic double-front hiatus-stage soil water parcels supplying a plant root continuum: the Green-Ampt-Youngs model revisited. <i>Hydrological Sciences Journal</i> , 2013 , 58, 237-248	3.5	7
27	Application of spaceborne synthetic aperture radar data for extraction of soil moisture and its use in hydrological modelling at Gottleuba Catchment, Saxony, Germany. <i>Journal of Flood Risk Management</i> , 2014 , 7, 159-175	3.1	17
26	Relationship between hydrogeological parameters for data-scarce regions: the case of the Araripe sedimentary basin, Brazil. <i>Environmental Earth Sciences</i> , 2014 , 71, 885-894	2.9	2
25	Estimation of Seepage Losses in Ephemeral Network and Branching Streams. <i>Journal of Hydrologic Engineering - ASCE</i> , 2014 , 19, 299-307	1.8	3
24	Probabilistic prediction of rainfall-induced slope failure using a mechanics-based model. <i>Engineering Geology</i> , 2014 , 168, 129-140	6	68
23	An efficient and guaranteed stable numerical method for continuous modeling of infiltration and redistribution with a shallow dynamic water table. <i>Water Resources Research</i> , 2015 , 51, 1514-1528	5.4	15
22	Green and Ampt infiltration model extended beyond rain duration. <i>Water and Environment Journal</i> , 2015 , 29, 515-522	1.7	1
21	Incorporating seepage losses into a 1D unsteady model of floods in an ephemeral stream. <i>Water S A</i> , 2015 , 41, 464	1.3	1
20	Debris-flow susceptibility assessment at regional scale: Validation on an alpine environment. <i>Landslides</i> , 2015 , 12, 437-454	6.6	22
19	Flood hazard assessment and mapping in semi-arid piedmont areas: a case study in Beni Mellal, Morocco. <i>Natural Hazards</i> , 2016 , 81, 481-511	3	14
18	Water infiltration into prewetted porous media: Dynamic capillary pressure and Green-Ampt modeling. <i>Advances in Water Resources</i> , 2017 , 106, 60-67	4.7	14
17	Prediction of shallow landslide by surficial stability analysis considering rainfall infiltration. <i>Engineering Geology</i> , 2017 , 231, 126-138	6	26
16	Infiltration model in sloping layered soils and guidelines for model parameter estimation. <i>Hydrological Sciences Journal</i> , 2017 , 62, 2222-2237	3.5	10

15	Controlled laboratory experiments and modeling of vegetative filter strips with shallow water tables. <i>Journal of Hydrology</i> , 2018 , 556, 1-9	6	16
14	Riparian Vadose Zone Preferential Flow: Review of Concepts, Limitations, and Perspectives. <i>Vadose Zone Journal</i> , 2018 , 17, 1-20	2.7	10
13	Effects of the Grain Size on Dynamic Capillary Pressure and the Modified Green-Ampt Model for Infiltration. <i>Geofluids</i> , 2018 , 2018, 1-11	1.5	4
12	Shallow water table effects on water, sediment, and pesticide transport in vegetative filter strips □ Part 1: nonuniform infiltration and soil water redistribution. <i>Hydrology and Earth System Sciences</i> , 2018 , 22, 53-70	5.5	20
11	Experimental study on the influence of vegetation on the slope flow concentration time. <i>Natural Hazards</i> , 2019 , 98, 751-763	3	
10	Relation between land cover and landslide susceptibility in Val de Aran, Pyrenees (Spain): Historical aspects, present situation and forward prediction. <i>Science of the Total Environment</i> , 2019 , 693, 133557	10.2	36
9	Sensitivity of advective contaminant travel time to the soil hydraulic parameters in unsaturated heterogeneous soils. <i>Journal of Hydrology</i> , 2019 , 576, 137-149	6	
8	Modification and discussion of the Green-Ampt model for an evolving wetting profile. <i>Hydrological Sciences Journal</i> , 2020 , 65, 2072-2082	3.5	1
7	Mapping method of rainfall-induced landslide hazards by infiltration and slope stability analysis. <i>Landslides</i> , 2021 , 18, 2039-2057	6.6	5
6	Modeling slope rainfall-infiltration-runoff process with shallow water table during complex rainfall patterns. <i>Journal of Hydrology</i> , 2021 , 599, 126458	6	4
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4	Surficial Stability Analysis by the Green-Ampt Infiltration Model with Bedrock Boundary Condition. <i>Korean Society of Hazard Mitigation</i> , 2015 , 15, 131-142	0.2	2
3	New Green-Ampt model based on fractional derivative and its application in 3D slope stability analysis. <i>Journal of Hydrology</i> , 2021 , 603, 127084	6	1
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1	Stability Analysis of the Inclined Capillary Barrier Covers under Rainfall Condition. 2022 , 12, 1218		