Aaron A Mohammed

List of Publications by Year
in descending order

15	289	933447 10	996975 15
papers	citations	h-index	g-index

21	21	21	329
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Snowmelt Infiltration and Macropore Flow in Frozen Soils: Overview, Knowledge Gaps, and a Conceptual Framework. Vadose Zone Journal, 2018, 17, 1-15.	2.2	63
2	Effects of antecedent moisture and macroporosity on infiltration and water flow in frozen soil. Hydrological Processes, 2020, 34, 795-809.	2.6	39
3	Effects of preferential flow on snowmelt partitioning and groundwater recharge in frozen soils. Hydrology and Earth System Sciences, 2019, 23, 5017-5031.	4.9	35
4	Transient and Transition Factors in Modeling Permafrost Thaw and Groundwater Flow. Ground Water, 2020, 58, 258-268.	1.3	22
5	Modeling Reactive Solute Transport in Permafrostâ€Affected Groundwater Systems. Water Resources Research, 2021, 57, e2020WR028771.	4.2	19
6	A Coupled Soil Water Balance Model for Simulating Depressionâ€Focused Groundwater Recharge. Vadose Zone Journal, 2018, 17, 1-14.	2.2	17
7	Dualâ€permeability modeling of preferential flow and snowmelt partitioning in frozen soils. Vadose Zone Journal, 2021, 20, e20101.	2.2	15
8	Rethinking the Use of Seabed Sediment Temperature Profiles to Trace Submarine Groundwater Flow. Water Resources Research, 2018, 54, 4595-4614.	4.2	14
9	Saltwater Intrusion Intensifies Coastal Permafrost Thaw. Geophysical Research Letters, 2021, 48, e2021GL094776.	4.0	14
10	Measuring saturated hydraulic conductivity and anisotropy of peat by a modified split-container method. Hydrogeology Journal, 2013, 21, 515-520.	2.1	12
11	Simulating preferential flow and snowmelt partitioning in seasonally frozen hillslopes. Hydrological Processes, 2021, 35, e14277.	2.6	9
12	Sea-level rise and warming mediate coastal groundwater discharge in the Arctic. Environmental Research Letters, 2022, 17, 045027.	5.2	9
13	Reproducing Fieldâ€Scale Active Layer Thaw in the Laboratory. Vadose Zone Journal, 2014, 13, 1-9.	2.2	8
14	On the use of mulching to mitigate permafrost thaw due to linear disturbances in sub-arctic peatlands. Ecological Engineering, 2017, 102, 207-223.	3.6	7
15	Modeling shallow ground temperatures around hot buried pipelines in cold regions. Cold Regions Science and Technology, 2021, 187, 103295.	3.5	6