

Aaron A Mohammed

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

289
citations

933447

10
h-index

996975

15
g-index

21
all docs

21
docs citations

21
times ranked

329
citing authors

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