

Martha A Scholl

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,367
citations

394421

19
h-index

501196

28
g-index

31
all docs

31
docs citations

31
times ranked

1684
citing authors

#	ARTICLE	IF	CITATIONS
1	Laboratory investigations on the role of sediment surface and groundwater chemistry in transport of bacteria through a contaminated sandy aquifer. <i>Environmental Science & Technology</i> , 1992, 26, 1410-1417.	10.0	170
2	The influence of mineralogy and solution chemistry on the attachment of bacteria to representative aquifer materials. <i>Journal of Contaminant Hydrology</i> , 1990, 6, 321-336.	3.3	152
3	Insights into plant water uptake from xylem water isotope measurements in two tropical catchments with contrasting moisture conditions. <i>Hydrological Processes</i> , 2016, 30, 3210-3227.	2.6	110
4	Geochemical and Microbiological Methods for Evaluating Anaerobic Processes in an Aquifer Contaminated by Landfill Leachate. <i>Environmental Science & Technology</i> , 2000, 34, 4025-4033.	10.0	105
5	The influence of microclimates and fog on stable isotope signatures used in interpretation of regional hydrology: East Maui, Hawaii. <i>Journal of Hydrology</i> , 2002, 264, 170-184.	5.4	100
6	Understanding the role of fog in forest hydrology: stable isotopes as tools for determining input and partitioning of cloud water in montane forests. <i>Hydrological Processes</i> , 2011, 25, 353-366.	2.6	82
7	The stable isotope amount effect: New insights from NEXRAD echo tops, Luquillo Mountains, Puerto Rico. <i>Water Resources Research</i> , 2009, 45, .	4.2	80
8	Cloud water in windward and leeward mountain forests: The stable isotope signature of orographic cloud water. <i>Water Resources Research</i> , 2007, 43, .	4.2	77
9	The hydrogeology of Kilauea volcano. <i>Geothermics</i> , 1993, 22, 255-270.	3.4	73
10	Natural Attenuation of Volatile Organic Compounds (VOCs) in the Leachate Plume of a Municipal Landfill: Using Alkylbenzenes as Process Probes. <i>Ground Water</i> , 2001, 39, 192-202.	1.3	55
11	Precipitation isotopes link regional climate patterns to water supply in a tropical mountain forest, eastern Puerto Rico. <i>Water Resources Research</i> , 2014, 50, 4305-4322.	4.2	52
12	Canopy water balance of windward and leeward Hawaiian cloud forests on Haleakalā, Maui, Hawai'i. <i>Hydrological Processes</i> , 2011, 25, 438-447.	2.6	39
13	Reassessing rainfall in the Luquillo Mountains, Puerto Rico: Local and global ecohydrological implications. <i>PLoS ONE</i> , 2017, 12, e0180987.	2.5	36
14	Recharge processes drive sulfate reduction in an alluvial aquifer contaminated with landfill leachate. <i>Journal of Contaminant Hydrology</i> , 2006, 86, 239-261.	3.3	33
15	Seasonality of stable isotope composition of atmospheric water input at the southern slopes of Mt. Kilimanjaro, Tanzania. <i>Hydrological Processes</i> , 2017, 31, 3932-3947.	2.6	32
16	Stable-isotope and solute-chemistry approaches to flow characterization in a forested tropical watershed, Luquillo Mountains, Puerto Rico. <i>Applied Geochemistry</i> , 2015, 63, 484-497.	3.0	26
17	High Mercury Wet Deposition at a "Clean Air" Site in Puerto Rico. <i>Environmental Science & Technology</i> , 2015, 49, 12474-12482.	10.0	26
18	Tropical river suspended sediment and solute dynamics in storms during an extreme drought. <i>Water Resources Research</i> , 2017, 53, 3695-3712.	4.2	25

#	ARTICLE	IF	CITATIONS
19	Analyzing cloud base at local and regional scales to understand tropical montane cloud forest vulnerability to climate change. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 7245-7259.	4.9	23
20	Noble gas signatures in the island of Maui, Hawaii: Characterizing groundwater sources in fractured systems. <i>Water Resources Research</i> , 2017, 53, 3599-3614.	4.2	14
21	Temporal evolution of stable water isotopologues in cloud droplets in a hill cap cloud in central Europe (HCCT-2010). <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 11679-11694.	4.9	9
22	A method for quantifying cloud immersion in a tropical mountain forest using time-lapse photography. <i>Agricultural and Forest Meteorology</i> , 2017, 243, 100-112.	4.8	9
23	Drought stress and hurricane defoliation influence mountain clouds and moisture recycling in a tropical forest. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	9
24	Heat flow from four new research drill holes in the Western Cascades, Oregon, U.S.A.. <i>Geothermics</i> , 1993, 22, 151-163.	3.4	7
25	USGS48 Puerto Rico precipitation – a new isotopic reference material for $\delta^2\text{H}$ and $\delta^{18}\text{O}$ measurements of water. <i>Isotopes in Environmental and Health Studies</i> , 2014, 50, 442-447.	1.0	7
26	Stable water isotopologue ratios in fog and cloud droplets of liquid clouds are not size-dependent. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 9855-9863.	4.9	3
27	Forest cover lessens the impact of drought on streamflow in Puerto Rico. <i>Hydrological Processes</i> , 2022, 36, .	2.6	2
28	Anomalous Noble Gas Solubility in Liquid Cloud Water: Possible Implications for Noble Gas Temperatures and Cloud Physics. <i>Water Resources Research</i> , 2021, 57, e2020WR029306.	4.2	1