Martha Cary Eppes

List of Publications by Year
in descending order

31	1,061	430754	477173
papers	citations	18 h-index	29 g-index

33	33	33	1064
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mechanical Weathering: A Conceptual Overview. , 2022, , 30-45.		4
2	Describing Soils in the Field: A Manual for Geomorphologists. , 2022, , 450-479.		1
3	Alluvial fan aggradation in low relief, humidâ€temperate landscapes, Uwharrie National Forest, North Carolina Piedmont. Earth Surface Processes and Landforms, 2022, 47, 1480-1499.	1.2	3
4	EVis: Visually Analyzing Environmentally Driven Events. IEEE Transactions on Visualization and Computer Graphics, 2021, PP, 1-1.	2.9	1
5	Warmer, Wetter Climates Accelerate Mechanical Weathering in Field Data, Independent of Stressâ€Loading. Geophysical Research Letters, 2020, 47, 2020GL089062.	1.5	23
6	Soil production and the soil geomorphology legacy of GroveÂKarlÂGilbert. Soil Science Society of America Journal, 2020, 84, 1-20.	1.2	18
7	Relaxation Response of Critically Stressed Macroscale Surficial Rock Sheets. Rock Mechanics and Rock Engineering, 2019, 52, 5013-5023.	2.6	11
8	Thermal influences on spontaneous rock dome exfoliation. Nature Communications, 2018, 9, 762.	5.8	49
9	Computationally Enabled 4D Visualizations Facilitate the Detection of Rock Fracture Patterns from Acoustic Emissions. Rock Mechanics and Rock Engineering, 2018, 51, 2733-2746.	2.6	21
10	Mechanical weathering and rock erosion by climateâ€dependent subcritical cracking. Reviews of Geophysics, 2017, 55, 470-508.	9.0	160
11	Field evidence for the influence of weathering on rock erodibility and channel form in bedrock rivers. Earth Surface Processes and Landforms, 2017, 42, 1997-2012.	1.2	27
12	Deciphering the role of solar-induced thermal stresses in rock weathering. Bulletin of the Geological Society of America, 2016, 128, 1315-1338.	1.6	75
13	The influence of solarâ€induced thermal stresses on the mechanical weathering of rocks in humid midâ€latitudes. Earth Surface Processes and Landforms, 2016, 41, 603-614.	1.2	32
14	Cracks in Martian boulders exhibit preferred orientations that point to solar-induced thermal stress. Nature Communications, 2015, 6, 6712.	5.8	49
15	Chronosequence development and soil variability from a variety of sub-alpine, post-glacial landforms and deposits in the southeastern San Juan Mountains of Colorado. Catena, 2015, 127, 222-239.	2.2	12
16	A multiproxy record of postglacial climate variability from a shallowing, 12-m deep sub-alpine bog in the southeastern San Juan Mountains of Colorado, USA. Holocene, 2013, 23, 1028-1038.	0.9	19
17	Postâ€glacial range of variability in the Conejos River Valley, southern Colorado, USA: fluvial response to climate change and sediment supply. Earth Surface Processes and Landforms, 2012, 37, 1189-1202.	1.2	13
18	Post-glacial landscape response to climate variability in the southeastern San Juan Mountains of Colorado, USA. Quaternary Research, 2011, 76, 352-362.	1.0	13

#	Article	IF	Citations
19	Surficial Geologic Map of the Upper Conejos River Drainage, Southeastern San Juan Mountains, Southern Colorado, USA. Journal of Maps, 2010, 6, 30-39.	1.0	7
20	Granular disintegration of marble in nature: A thermal-mechanical origin for a grus and corestone landscape. Geomorphology, 2010, 117, 170-180.	1.1	34
21	Cracks in desert pavement rocks: Further insights into mechanical weathering by directional insolation. Geomorphology, 2010, 123, 97-108.	1.1	93
22	Introducing Field-Based Geologic Research Using Soil Geomorphology. Journal of Geoscience Education, 2009, 57, 11-22.	0.8	2
23	A soil chronosequence study of the Reno valley, Italy: Insights into the relative role of climate versus anthropogenic forcing on hillslope processes during the mid-Holocene. Geoderma, 2008, 147, 97-107.	2.3	46
24	The influence of bedrock weathering on the response of drainage basins and associated alluvial fans to Holocene climates, San Bernardino Mountains, California, USA. Holocene, 2008, 18, 895-905.	0.9	24
25	Landscape dynamics fostering the development and persistence of long-lived creosotebush (Larrea) Tj ETQq1 1 0.784314 rgBT /Overl	1.2	47
26	Timing of surficial process changes down a Mojave Desert piedmont. Quaternary Research, 2007, 68, 151-161.	1.0	18
27	Physical weathering in arid landscapes due to diurnal variation in the direction of solar heating. Bulletin of the Geological Society of America, 2005, 117, 161.	1.6	170
28	Late Quaternary history of the Chemehuevi Mountain piedmont, Mojave Desert, deciphered using 10Be and 26Al. Numerische Mathematik, 2005, 305, 345-368.	0.7	22
29	Ephemeral stream response to growing folds. Bulletin of the Geological Society of America, 2004, 116, 1223.	1.6	25
30	Influence of soil development on the geomorphic evolution of landscapes: An example from the Transverse Ranges of California. Geology, 2002, 30, 195.	2.0	26
31	Spatial variability of soils developing on basalt flows in the Potrillo volcanic field, southern New Mexico: prelude to a chronosequence study. Earth Surface Processes and Landforms, 1999, 24, 1009-1024.	1.2	16