

Leslie D Mcfadden

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,826
citations

279798

23
h-index

361022

35
g-index

39
all docs

39
docs citations

39
times ranked

1611
citing authors

#	ARTICLE	IF	CITATIONS
1	Influences of eolian and pedogenic processes on the origin and evolution of desert pavements. <i>Geology</i> , 1987, 15, 504.	4.4	336
2	Influence of Late Quaternary Climatic Changes on Geomorphic and Pedogenic Processes on a Desert Piedmont, Eastern Mojave Desert, California. <i>Quaternary Research</i> , 1987, 27, 130-146.	1.7	263
3	The vesicular layer and carbonate collars of desert soils and pavements: formation, age and relation to climate change. <i>Geomorphology</i> , 1998, 24, 101-145.	2.6	182
4	Quaternary soils and dust deposition in southern Nevada and California. <i>Bulletin of the Geological Society of America</i> , 1995, 107, 1003-1022.	3.3	159
5	Late Cenozoic landscape evolution on lava flow surfaces of the Cima volcanic field, Mojave Desert, California. <i>Bulletin of the Geological Society of America</i> , 1985, 96, 1518.	3.3	156
6	Use of Multiparameter Relative-Age Methods for Age Estimation and Correlation of Alluvial Fan Surfaces on a Desert Piedmont, Eastern Mojave Desert, California. <i>Quaternary Research</i> , 1989, 32, 276-290.	1.7	146
7	Cosmogenic ³ He surface-exposure dating of stone pavements: Implications for landscape evolution in deserts. <i>Geology</i> , 1995, 23, 613.	4.4	137
8	Changes in the Content and Composition of Pedogenic Iron Oxyhydroxides in a Chronosequence of Soils in Southern California. <i>Quaternary Research</i> , 1985, 23, 189-204.	1.7	113
9	Rates and processes of soil development on Quaternary terraces in Cajon Pass, California. <i>Bulletin of the Geological Society of America</i> , 1987, 98, 280.	3.3	109
10	Short-Duration Holocene Lakes in the Mojave River Drainage Basin, Southern California. <i>Quaternary Research</i> , 1992, 38, 60-73.	1.7	94
11	Cracks in desert pavement rocks: Further insights into mechanical weathering by directional insolation. <i>Geomorphology</i> , 2010, 123, 97-108.	2.6	93
12	Rate and depth of pedogenic-carbonate accumulation in soils: Formulation and testing of a compartment model. <i>Special Paper of the Geological Society of America</i> , 1985, , 23-42.	0.5	91
13	Development Rates of Late Quaternary Soils, Silver Lake Playa, California. <i>Soil Science Society of America Journal</i> , 1989, 53, 1127-1140.	2.2	90
14	Application of a soil-water balance model to evaluate the influence of Holocene climate change on calcic soils, Mojave Desert, California, U.S.A.. <i>Geoderma</i> , 1996, 74, 167-192.	5.1	81
15	Aspect-related microclimatic influences on slope forms and processes, northeastern Arizona. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	81
16	Tree-ring record of hillslope erosion and valley floor dynamics: Landscape responses to climate variation during the last 400yr in the Colorado Plateau, northeastern Arizona. <i>Global and Planetary Change</i> , 2006, 50, 184-201.	3.5	78
17	Rates of Soil Development from Four Soil Chronosequences in the Southern Great Basin. <i>Quaternary Research</i> , 1991, 35, 383-399.	1.7	77
18	Morphology and genesis of carbonate soils on the Kyle Canyon fan, Nevada, U.S.A.. <i>Geoderma</i> , 1992, 52, 303-342.	5.1	75

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19	Distribution of calcium carbonate in desert soils: A model. <i>Geology</i> , 1988, 16, 303.	4.4	65
20	Lithologically influenced geomorphic responses to Holocene climatic changes in the Southern Colorado Plateau, Arizona: A soil-geomorphic and ecologic perspective. <i>Geomorphology</i> , 1997, 19, 303-332.	2.6	62
21	K-Ar dating of the Cima volcanic field, eastern Mojave Desert, California: Late Cenozoic volcanic history and landscape evolution. <i>Geology</i> , 1984, 12, 163.	4.4	56
22	Climatic influences on rates and processes of soil development in Quaternary deposits of southern California. Special Paper of the Geological Society of America, 1988, , 153-178.	0.5	53
23	Soil geomorphology: the linkage of pedology and surficial processes. <i>Geomorphology</i> , 1990, 3, 197-205.	2.6	42
24	Role of aeolian sediment accretion in the formation of <i>heuweltjie</i> earth mounds, western South Africa. <i>Earth Surface Processes and Landforms</i> , 2014, 39, 1900-1912.	2.5	26
25	New optically stimulated luminescence ages provide evidence of MIS3 and MIS2 eolian activity on Black Mesa, northeastern Arizona, USA. <i>Quaternary Research</i> , 2011, 75, 395-398.	1.7	20
26	Geoarchaeology of the Boca Negra Wash Area, Albuquerque Basin, New Mexico, USA. <i>Geoarchaeology - an International Journal</i> , 2006, 21, 756-802.	1.5	19
27	Comparison and Contrast of Processes of Soil Formation in the San Timoteo Badlands with Chronosequences in California. <i>Quaternary Research</i> , 1996, 46, 149-160.	1.7	18
28	Role of Aeolian Dust in Shaping Landscapes and Soils of Arid and Semi-Arid South Africa. <i>Geosciences (Switzerland)</i> , 2018, 8, 171.	2.2	16
29	Rock type and dust influx control accretionary soil development on hillslopes in the Sandia Mountains, New Mexico, USA. <i>Quaternary Research</i> , 2011, 76, 411-416.	1.7	14
30	Impacts of climate change on the formation and stability of late Quaternary sand sheets and falling dunes, Black Mesa region, southern Colorado Plateau, USA. <i>Quaternary International</i> , 2015, 362, 87-107.	1.5	14
31	Non-equilibrium hillslope dynamics and irreversible landscape changes at a shifting pinyonâ€“juniper woodland ecotone. <i>Global and Planetary Change</i> , 2014, 122, 1-13.	3.5	13
32	Numerical Modeling Chemical, and Isotopic Studies of Carbonate Accumulation in of Arid Regions. <i>SSSA Special Publication Series</i> , 2015, , 17-35.	0.2	13
33	Landscape patterning created by the southern harvester termite, <i>Microhodotermes viator</i> : Spatial dispersion of colonies and alteration of soils. <i>Journal of Arid Environments</i> , 2019, 162, 26-34.	2.4	12
34	Whether or not heuweltjies: Context-dependent ecosystem engineering by the southern harvester termite, <i>Microhodotermes viator</i> . <i>Journal of Arid Environments</i> , 2019, 163, 26-33.	2.4	10
35	Late Quaternary Soil Development Enhances Aeolian Landform Stability, Moenkopi Plateau, Southern Colorado Plateau, USA. <i>Geosciences (Switzerland)</i> , 2018, 8, 146.	2.2	6
36	Quaternary geology of the Basin and Range Province in California. , 0, , 321-352.		2

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37	Inorganic Carbon: Modeling. , 2012, , 1451-1454.		0