Teresa E Jordan

List of Publications by Year
in descending order

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		76196	88477
78	7,397	40	70
papers	citations	h-index	g-index

84	84	84	3955
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Paleoenvironmental Evolution of a Forearc in Response to Forcings by Drainage, Climate, Volcanism, and Tectonics: The Quillagua Depocenter, Chile. Lithosphere, 2022, 2022, .	0.6	5
2	Recharge and residence times of groundwater in hyper arid areas: The confined aquifer of Calama, Loa River Basin, Atacama Desert, Chile. Science of the Total Environment, 2021, 752, 141847.	3.9	19
3	Century scale rainfall in the absolute Atacama Desert: Landscape response and implications for past and future rainfall. Quaternary Science Reviews, 2021, 254, 106797.	1.4	31
4	Î´13C and 14C activity of groundwater DOC and DIC in the volcanically active and arid Loa Basin of northern Chile. Journal of Hydrology, 2021, 595, 125987.	2.3	14
5	Surface materials and landforms as controls on InSAR permanent and transient responses to precipitation events in a hyperarid desert, Chile. Remote Sensing of Environment, 2020, 237, 111544.	4.6	23
6	Multi-criteria spatial screening and uncertainty analysis applied to direct-use geothermal projects. International Journal of Geographical Information Science, 2020, 34, 2053-2076.	2.2	1
7	Massive middle Miocene gypsic paleosols in the Atacama Desert and the formation of the Central Andean rain-shadow. Earth and Planetary Science Letters, 2019, 506, 184-194.	1.8	41
8	Isotopic characteristics and paleoclimate implications of the extreme precipitation event of March 2015 in northern Chile. Andean Geology, 2019, 46, 1.	0.2	28
9	Groundwater origin and recharge in the hyperarid Cordillera de la Costa, Atacama Desert, northern Chile. Science of the Total Environment, 2018, 624, 114-132.	3.9	48
10	A probabilistic application of oil and gas data for exploration stage geothermal reservoir assessment in the Appalachian Basin. Geothermics, 2018, 71, 187-199.	1.5	9
11	Modeling Trench Sedimentâ€Controlled Flow in Subduction Channels: Implications for the Topographic Evolution of the Central Andean Fore Arc. Journal of Geophysical Research: Solid Earth, 2018, 123, 9121-9135.	1.4	3
12	Comment on paper by Ritter et al. (2018), Evidence for multiple Plio-Pleistocene lake episodes in the hyperarid Atacama Desert, published in Quaternary Geochronology: v. 44, p. 1â€“12. DOI: 10.1016/j.quageo.2017.11.002. Quaternary Geochronology, 2018, 47, 163-169.	0.6	8
13	Role of subducted sediments in plate interface dynamics as constrained by Andean forearc (paleo)topography. , 2018, , .		2
14	⁸⁷Sr/⁸⁶Sr of calcium sulfate in ancient soils of hyperarid settings as a paleoaltitude proxy: Pliocene to Quaternary constraints for northern Chile (19.5â€“21.7Â°S). Tectonics, 2017, 36, 137-162.	1.3	8
15	Feasibility study of repurposing Trentonâ€“Black River gas fields for geothermal heat extraction, southern New York. , 2017, 13, 22-35.		1
16	InSAR constraints on soil moisture evolution after the March 2015 extreme precipitation event in Chile. Scientific Reports, 2017, 7, 4903.	1.6	51
17	Recent climatic events controlling the hydrological and the aquifer dynamics at arid areas: The case of Huasco River watershed, northern Chile. Science of the Total Environment, 2016, 571, 178-194.	3.9	37
18	⁸⁷Sr/⁸⁶Sr in recent accumulations of calcium sulfate on landscapes of hyperarid settings: A bimodal altitudinal dependence for northern <scp>C</scp>hile (19.5Â°Sâ€“21.5Â°S). Geochemistry, Geophysics, Geosystems, 2015, 16, 4311-4328.	1.0	10

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19	Geothermal energy characterization in the Appalachian Basin of New York and Pennsylvania. , 2015, 11, 1291-1304.		5
20	Architecture of the aquifers of the Calama Basin, Loa catchment basin, northern Chile. , 2015, 11, 1438-1474.		22
21	Landscape modification in response to repeated onset of hyperarid paleoclimate states since 14 Ma, Atacama Desert, Chile. Bulletin of the Geological Society of America, 2014, 126, 1016-1046.	1.6	130
22	Clumped isotope evidence for diachronous surface cooling of the Altiplano and pulsed surface uplift of the Central Andes. Earth and Planetary Science Letters, 2014, 393, 173-181.	1.8	113
23	Regional variability of carbon dioxide storage potential of the Queenston Formation in New York. Interpretation, 2014, 2, T25-T48.	0.5	2
24	Late Miocene to Early Pliocene paleohydrology and landscape evolution of Northern Chile, 19Â° to 20Â° S. Palaeogeography, Palaeoclimatology, Palaeoecology, 2013, 387, 76-90.	1.0	26
25	The role of climate in the accumulation of lithium-rich brine in the Central Andes. Applied Geochemistry, 2013, 38, 92-102.	1.4	86
26	Late Quaternary hydrological and ecological changes in the hyperarid core of the northern Atacama Desert (~21Â°S). Earth-Science Reviews, 2012, 113, 120-140.	4.0	127
27	Stable isotope composition of middle Miocene carbonates of the Frontal Cordillera and Sierras Pampeanas: Did the Paranaense seaway flood western and central Argentina?. Palaeogeography, Palaeoclimatology, Palaeoecology, 2011, 308, 293-303.	1.0	33
28	Carbon dioxide storage potential for the Queenston Formation near the AES Cayuga coal-fired power plant in Tompkins County, New York. Environmental Geosciences, 2011, 18, 1-17.	0.6	2
29	Uplift of the Altiplano-Puna plateau: A view from the west. Tectonics, 2010, 29, n/a-n/a.	1.3	107
30	Evidence for the development of the Andean rain shadow from a Neogene isotopic record in the Atacama Desert, Chile. Earth and Planetary Science Letters, 2010, 292, 371-382.	1.8	73
31	Now is the Time for Action: Transitions and Tipping Points in Complex Environmental Systems. Environment, 2010, 52, 38-45.	0.8	20
32	Gravity characterization of the La Rioja Valley Basin, Argentina. Geophysics, 2009, 74, B83-B94.	1.4	21
33	Perennial stream discharge in the hyperarid Atacama Desert of northern Chile during the latest Pleistocene. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19724-19729.	3.3	135
34	Climate Change Across Continental Sequence Boundaries: Paleopedology and Lithofacies of Iglesia Basin, Northwestern Argentina. Journal of Sedimentary Research, 2007, 77, 661-679.	0.8	44
35	Cenozoic subsurface stratigraphy and structure of the Salar de Atacama Basin, northern Chile. Journal of South American Earth Sciences, 2007, 23, 122-146.	0.6	80
36	Miocene forebulge development previous to broken foreland partitioning in the southern Central Andes, westâ€¢central Argentina. Tectonics, 2007, 26, .	1.3	40

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37	Geomorphic evidence for postâ€10 Ma uplift of the western flank of the central Andes 18Â°30â€²â€“22Â°S. Tectonics, 2007, 26, .	1.3	115
38	The case for extensional tectonics in the Oligocene-Miocene Southern Andes as recorded in the Cura Mallìn basin (36Â°â€“38Â°S). , 2006, , .		17
39	Development of the Colombian foreland-basin system as a consequence of diachronous exhumation of the northern Andes. Bulletin of the Geological Society of America, 2005, 117, 1272.	1.6	109
40	Syntectonic Cenozoic sedimentation in the northern middle Magdalena Valley Basin of Colombia and implications for exhumation of the Northern Andes. Bulletin of the Geological Society of America, 2005, 117, 547.	1.6	96
41	Age, distribution, tectonics, and eustatic controls of the Paranense and Caribbean marine transgressions in southern Bolivia and Argentina. Journal of South American Earth Sciences, 2005, 19, 495-512.	0.6	133
42	Groundwater-sapping origin for the giant quebradas of northern Chile. Geology, 2004, 32, 605.	2.0	82
43	Cenozoic evolution of the northwestern Salar de Atacama Basin, northern Chile. Tectonics, 2004, 23, n/a-n/a.	1.3	52
44	Early Miocene andesite conglomerates in the Sierra de Famatina, broken foreland region of western Argentina, and documentation of magmatic broadening in the south Central Andes. Journal of South American Earth Sciences, 2004, 17, 89-101.	0.6	23
45	Stable isotope constraints on the transport of water to the Andes between 22Â° and 26Â°S during the last glacial cycle. Palaeogeography, Palaeoclimatology, Palaeoecology, 2003, 194, 299-317.	1.0	38
46	An Assessment of Stratigraphic Completeness in Climate-Sensitive Closed-Basin Lake Sediments: Salar de Atacama, Chile. Journal of Sedimentary Research, 2003, 73, 91-104.	0.8	61
47	Controls on architecture of the Late Cretaceous to Cenozoic southern Middle Magdalena Valley Basin, Colombia. Bulletin of the Geological Society of America, 2003, 115, 131-147.	1.6	104
48	Active faulting and folding without topographic expression in an evaporite basin, Chile. Bulletin of the Geological Society of America, 2002, 114, 1406-1421.	1.6	53
49	The structural and stratigraphic evolution of the La Rioja basin, Argentina. Journal of South American Earth Sciences, 2002, 15, 141-156.	0.6	18
50	Interactions between basement and cover during the evolution of the Salar de Atacama Basin, northern Chile. Andean Geology, 2002, 29, .	0.5	40
51	Extension and basin formation in the southern Andes caused by increased convergence rate: A mid-Cenozoic trigger for the Andes. Tectonics, 2001, 20, 308-324.	1.3	260
52	Unsteady and spatially variable evolution of the Neogene Andean Bermejo foreland basin, Argentina. Journal of South American Earth Sciences, 2001, 14, 775-798.	0.6	118
53	A 106ka paleoclimate record from drill core of the Salar de Atacama, northern Chile. Palaeogeography, Palaeoclimatology, Palaeoecology, 2001, 173, 21-42.	1.0	174
54	Causes of spatially variable tectonic subsidence in the Miocene Bermejo Foreland Basin, Argentina. Basin Research, 2001, 13, 335-357.	1.3	56

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55	Variability in Age of Initial Shortening and Uplift in the Central Andes, 16â€“33Â°30â€²S. , 1997, , 41-61.		56
56	THE EVOLUTION OF THE ALTIPLANO-PUNA PLATEAU OF THE CENTRAL ANDES. Annual Review of Earth and Planetary Sciences, 1997, 25, 139-174.	4.6	762
57	Controls of erosional denudation in the orogen on foreland basin evolution: The Oligocene central Swiss Molasse Basin as an example. Tectonics, 1997, 16, 823-840.	1.3	75
58	Chronology of internal drainage development and uplift, southern Puna plateau, Argentine central Andes. Geology, 1995, 23, 145.	2.0	125
59	Chronology of Motion in a Complete Thrust Belt: The Precordillera, 30-31Â°S, Andes Mountains. Journal of Geology, 1993, 101, 135-156.	0.7	192
60	Giant evaporite belts of the Neogene central Andes. Geology, 1991, 19, 401.	2.0	121
61	Largeâ€scale stratigraphic architecture, eustatic variation, and unsteady tectonism: A theoretical evaluation. Journal of Geophysical Research, 1991, 96, 6681-6699.	3.3	194
62	Magnetic Polarity Stratigraphy of the Miocene Rio Azul Section, Precordillera Thrust Belt, San Juan Province, Argentina. Journal of Geology, 1990, 98, 519-539.	0.7	36
63	Neogene deformation of the flat-subduction segment of the Argentine-Chilean Andes: Magnetostratigraphic constraints from Las Juntas, La Rioja province, Argentina. Bulletin of the Geological Society of America, 1990, 102, 1607-1622.	1.6	54
64	Stratigraphic modeling of foreland basins: Interpreting thrust deformation and lithosphere rheology. Geology, 1990, 18, 430.	2.0	203
65	A synthetic stratigraphic model of foreland basin development. Journal of Geophysical Research, 1989, 94, 3851-3866.	3.3	382
66	Dating Thrust-Fault Activity by Use of Foreland-Basin Strata. Frontiers in Sedimentary Geology, 1988, , 307-330.	0.2	76
67	Cenozoic Stratigraphy and Basin Tectonics of the Andes Mountains, 20Ã¸-28Ã¸ South Latitude. AAPG Bulletin, 1987, 71, .	0.7	28
68	Paleozoic terranes of the central Argentineâ€Chilean Andes. Tectonics, 1986, 5, 855-880.	1.3	443
69	Andean tectonics related to geometry of subducted Nazca plate: Discussion and reply. Bulletin of the Geological Society of America, 1984, 95, 880.	1.6	3
70	Mesozoic structure of the Newfoundland Mountains, Utah: Horizontal shortening and subsequent extension in the hinterland of the Sevier belt. Bulletin of the Geological Society of America, 1984, 95, 1280.	1.6	21
71	Andean tectonics related to geometry of subducted Nazca plate. Bulletin of the Geological Society of America, 1983, 94, 341.	1.6	829
72	Paleogeography and Andean structural geometry, northwest Argentina. Tectonics, 1983, 2, 1-16.	1.3	269

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73	Structural geometry and sequence, Bovine Mountain, northwestern Utah. Memoir of the Geological Society of America, 1983, , 215-228.	0.5	6
74	Comment and Reply on â€˜Mesozoic evolution, hinterland of the Sevier orogenic beltâ€™. Geology, 1982, 10, 443.	2.0	0
75	Comment and Reply on â€˜Mesozoic evolution, hinterland of the Sevier orogenic beltâ€™. Geology, 1982, 10, 5.	2.0	3
76	Mesozoic evolution, hinterland of the Sevier orogenic belt. Geology, 1981, 9, 308.	2.0	47
77	Enigmatic Deep-Water Depositional Mechanisms, Upper Part of the Oquirrh Group, Utah. Journal of Sedimentary Research, 1981, Vol. 51, .	0.8	2
78	Borehole research in New York State can advance utilization of low-enthalpy geothermal energy, management of potential risks, and understanding of deep sedimentary and crystalline geologic systems. Scientific Drilling, 0, 28, 75-91.	1.0	2