Stephen Nelson

List of Publications by Year
in descending order

57	542	567281 15	713466 21
papers	citations	h-index	g-index

57	57	57	541
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Strontium isotope dynamics reveal streamflow contributions from shallow flow paths during snowmelt in a montane watershed, Provo River, Utah, USA. Hydrological Processes, 2022, 36, .	2.6	3
2	From Hypersaline to Fresh-Brackish: Documenting the Impacts of Human Intervention on a Natural Water Body from Cores, Farmington Bay, UT, USA. Water, Air, and Soil Pollution, 2022, 233, 1.	2.4	1
3	Thermal Spring System Plumbing across a Major Normal Fault: Pah Tempe, Utah, USA. Lithosphere, 2022, 2021, .	1.4	0
4	Soil Properties and Moisture Synergistically Influence Nontuberculous Mycobacterial Prevalence in Natural Environments of Hawaiâ€™i. Applied and Environmental Microbiology, 2022, 88, e0001822.	3.1	7
5	Exposure Pathways of Nontuberculous Mycobacteria Through Soil, Streams, and Groundwater, Hawai'i, USA. GeoHealth, 2021, 5, e2020GH000350.	4.0	8
6	Moving beyond the direction of climate change to estimating its magnitude: A water budget approach for wetland systems. Quaternary International, 2021, 592, 22-36.	1.5	1
7	Glaciers Control the Hydrogeochemistry of Proglacial Streams During Late Summer in the Wind River Range, Wyoming, United States. Frontiers in Earth Science, 2021, 9, .	1.8	4
8	Geophysical characterization of volcanic layering. Journal of Applied Geophysics, 2021, 195, 104494.	2.1	0
9	Mercury and dissolved organic matter dynamics during snowmelt runoff in a montane watershed, Provo River, Utah, USA. Science of the Total Environment, 2020, 704, 135297.	8.0	12
10	Trace Element Export From the Critical Zone Triggered by Snowmelt Runoff in a Montane Watershed, Provo River, Utah, USA. Frontiers in Water, 2020, 2, .	2.3	2
11	Assessment of Soil Features on the Growth of Environmental Nontuberculous Mycobacterial Isolates from Hawai'i. Applied and Environmental Microbiology, 2020, 86, .	3.1	18
12	é«˜ç›å†…æµç›†åœ°(ç¾Žå›½å§ç›†åœ°)æµ…å±‚åœ°ä¸‹æ°´æµå’Œè½¬çš„æ·¡ç›æ°´ç•Œé¢. Hydrogeology Journal, 2020, 28, 2877-2902		
13	The lateral and vertical growth of laterite weathering profiles, Hawaiian Islands, USA. Earth Surface Processes and Landforms, 2020, 45, 2940-2953.	2.5	5
14	Using strontium isotopes to trace dust from a drying Great Salt Lake to adjacent urban areas and mountain snowpack. Environmental Research Letters, 2020, 15, 114035.	5.2	18
15	ANTHROPOGENIC EFFECTS ON EUTROPHICATION OF UTAH LAKE, UTAH SINCE EUROPEAN SETTLEMENT. , 2020, , .		0
16	An integrated high-resolution geophysical and geologic visualization of a Lake Bonneville shoreline deposit (Utah, USA). Interpretation, 2019, 7, T265-T282.	1.1	4
17	Pyrolysis of modern wetland sediment: extracting climate records from fens in the Uinta Mountains and Fish Lake Plateau, Utah, USA. Boreas, 2019, 48, 810-824.	2.4	4
18	Trace element chemistry of atmospheric deposition along the Wasatch Front (Utah, USA) reflects regional playa dust and local urban aerosols. Chemical Geology, 2019, 530, 119317.	3.3	27

#	Article	IF	Citations
19	Ocean waves as a passive MASW source. Journal of Applied Geophysics, 2019, 171, 103860.	2.1	3
20	Application of HVSR to estimating thickness of laterite weathering profiles in basalt. Earth Surface Processes and Landforms, 2019, 44, 1365-1376.	2.5	19
21	Sediment potentially controls in-lake phosphorus cycling and harmful cyanobacteria in shallow, eutrophic Utah Lake. PLoS ONE, 2019, 14, e0212238.	2.5	50
22	Nontuberculous Mycobacterial Diversity in the Built and Natural/Outdoor Environments of Hawaiâ€™i. , 2019, , .		0
23	Multiâ€proxy reassessment of the paleolimnology of Lake Bonneville (western USA) as observed in the restricted Pilot Valley subâ€basin. Journal of Quaternary Science, 2018, 33, 177-193.	2.1	6
24	A conceptual model for the rapid weathering of tropical ocean islands: A synthesis of geochemistry and geophysics, Kohala Peninsula, Hawaii, USA. , 2018, 14, 1324-1342.		15
25	Aeolian dust chemistry and bacterial communities in snow are unique to airshed locations across northern Utah, USA. Atmospheric Environment, 2018, 193, 251-261.	4.1	27
26	PHOSPHORUS MOBILITY IN LEGACY SEDIMENTS OF SHALLOW, EUTROPHIC UTAH LAKE. , 2018, , .		0
27	CONCENTRATION-DISCHARGE RELATIONSHIPS REVEAL TRENDS IN GEOGENIC CONTAMINANT INPUT TO THE UPPER PROVO RIVER, UTAH, USA. , 2018, , .		0
28	DUST COMPOSITION IN THE URBAN WASATCH FRONT, UTAH, AND COMPARISON TO NEARBY DESERT PLAYAS. , 2018, , .		0
29	HIGH-RESOLUTION 3D IMAGING OF LAKE BONNEVILLE SHORELINE STRATIGRAPHY USING GPR. , 2018, , .		0
30	DEFORMATION IN THE DAMAGE ZONE OF THE HURRICANE FAULT AND THE CONTROL OF THERMAL WATER DISCHARGE INTO THE VIRGIN RIVER, UTAH, AS REVEALED BY HIGH-RESOLUTION SEISMIC SURVEYS. , 2018, , .		0
31	A 13Â000Âyear multiâ€proxy climate record from central Utah (western <scp>USA</scp>), emphasizing conditions leading to large mass movements. Boreas, 2017, 46, 308-324.	2.4	9
32	THE EARLY WEATHERING OF OCEAN ISLANDS: A SYNTHESIS OF GEOCHEMISTRY AND GEOPHYSICS, KOHALA PENINSULA, HAWAII, USA. , 2017, , .		1
33	Imaging the Margins of Pleistocene Lake Deposits with High-Resolution Seismic Reflection in the Eastern Basin and Range. Developments in Earth Surface Processes, 2016, 20, 526-550.	2.8	3
34	Late Pleistocene to Early Holocene Sedimentary History of the Lake Bonneville Pilot Valley Embayment, Utah-Nevada, USA. Developments in Earth Surface Processes, 2016, 20, 184-220.	2.8	9
35	INVESTIGATING TRANSPORT OF DUST-BORNE TRACE ELEMENTS FROM SNOWPACK TO SNOWMELT RUNOFF IN THE PROVO RIVER, UTAH. , 2016, , .		0
36	Investigating Velocity Structure in the Weathering Zone of Hawaiian Basalts. , 2015, , .		0

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37	A geophysical strategy for measuring the thickness of the critical zone developed over basalt lavas. , 2015, 11, 514-532.		15
38	Neotectonics of the Sevier Desert basin, Utah as seen through the lens of multi-scale geophysical investigations. Tectonophysics, 2015, 654, 131-155.	2.2	5
39	Reply to Comment on â€œThe role of interbasin groundwater transfers in geologically complex terranes, demonstrated by the Great Basin in the western United Statesâ€• report published in Hydrogeology Journal (2014) 22:807â€“828 by Stephen T. Nelson and Alan L. Mayo. Hydrogeology Journal, 2015, 23, 211-212.	2.1	0
40	Evaluating natural and anthropogenic trace element inputs along an alpine to urban gradient in the Provo River, Utah, USA. Applied Geochemistry, 2015, 63, 398-412.	3.0	22
41	Multi-Scale, Multiple-Method Geophysical Investigations of Neotectonic Features in Extensional Terranes. , 2015, , .		0
42	The role of interbasin groundwater transfers in geologically complex terranes, demonstrated by the Great Basin in the western United States. Hydrogeology Journal, 2014, 22, 807-828.	2.1	18
43	A combined geological, hydrochemical, and geophysical approach to understanding a disease contamination hazard in groundwaters at a state fish hatchery. Natural Hazards, 2013, 69, 545-571.	3.4	4
44	LA-ICP-MS analysis of quartzite from the Upper Gunnison Basin, Colorado. Journal of Archaeological Science, 2013, 40, 2196-2216.	2.4	25
45	The denudation of ocean islands by ground and surface waters: The effects of climate, soil thickness, and water contact times on Oahu, Hawaii. Geochimica Et Cosmochimica Acta, 2013, 103, 276-294.	3.9	21
46	Quaternary hinterland evolution of the active Banda Arc: Surface uplift and neotectonic deformation recorded by coral terraces at Kisar, Indonesia. Journal of Asian Earth Sciences, 2013, 73, 149-161.	2.3	20
47	Archaeological Fingerprinting and Fremont Figurines. Advances in Archaeological Practice, 2013, 1, 3-12.	1.2	3
48	Why conceptual groundwater flow models matter: a trans-boundary example from the arid Great Basin, western USA. Hydrogeology Journal, 2012, 20, 1133-1147.	2.1	23
49	A structural study of thermal tufas using ground-penetrating radar. Journal of Applied Geophysics, 2012, 81, 38-47.	2.1	11
50	Comparing electromagnetic and seismic geophysical methods: Estimating the depth to water in geologically simple and complex arid environments. Engineering Geology, 2011, 117, 62-77.	6.3	6
51	Regional groundwater flow in structurally-complex extended terranes: An evaluation of the sources of discharge at Ash Meadows, Nevada. Journal of Hydrology, 2010, 386, 118-129.	5.4	25
52	Uncertainty in 14C model ages of saturated zone waters: The influence of soil gas in terranes dominated by C3 plants. Journal of Hydrology, 2010, 392, 83-95.	5.4	11
53	Mapping thermal tufa deposits using GPR. , 2010, , .		0
54	Pilot study experiments sourcing quartzite, Gunnison Basin, Colorado. Geoarchaeology - an International Journal, 2008, 23, 742-778.	1.5	25

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55	Interbasin flow revisited: The contribution of local recharge to high-discharge springs, Death Valley, CA. Journal of Hydrology, 2006, 323, 276-302.	5.4	34
56	Enhanced fracture permeability and accompanying fluid flow in the footwall of a normal fault: The Hurricane fault at Pah Tempe hot springs, Washington County, Utah. Bulletin of the Geological Society of America, 2006, preprint, 1.	3.3	10
57	Reply to [â€œComment on â€œTesting the interbasin flow hypothesis at Death Valley, Californiaâ€™â€] Winograd et al.. Eos, 2005, 86, 296.	0.1	4