

Travis W Horton

List of Publications by Year in descending order

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Version: 2024-02-01

56
papers

1,723
citations

279701

23
h-index

289141

40
g-index

58
all docs

58
docs citations

58
times ranked

2777
citing authors

#	ARTICLE	IF	CITATIONS
1	The Cenozoic climatic and topographic evolution of the western North American Cordillera. <i>Numerische Mathematik</i> , 2012, 312, 213-262.	0.7	143
2	Evaporation induced 18O and 13C enrichment in lake systems: A global perspective on hydrologic balance effects. <i>Quaternary Science Reviews</i> , 2016, 131, 365-379.	1.4	128
3	Stable isotope records of Cenozoic climate and topography, Tibetan plateau and Tarim basin. <i>Numerische Mathematik</i> , 2005, 305, 101-118.	0.7	114
4	Spatial and temporal variation of Cenozoic surface elevation in the Great Basin and Sierra Nevada. <i>Numerische Mathematik</i> , 2004, 304, 862-888.	0.7	104
5	The 2010–2011 Canterbury Earthquake Sequence: Environmental effects, seismic triggering thresholds and geologic legacy. <i>Tectonophysics</i> , 2016, 672-673, 228-274.	0.9	87
6	Straight as an arrow: humpback whales swim constant course tracks during long-distance migration. <i>Biology Letters</i> , 2011, 7, 674-679.	1.0	86
7	Hydrological effects of the Mw 7.1 Darfield (Canterbury) earthquake, 4 September 2010, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2012, 55, 231-247.	1.0	74
8	Chemical weathering and lithologic controls of water chemistry in a high-elevation river system: Clark's Fork of the Yellowstone River, Wyoming and Montana. <i>Water Resources Research</i> , 1999, 35, 1643-1655.	1.7	64
9	Soil CO ₂ emissions as a proxy for heat and mass flow assessment, <i>Tectonophysics</i> , 2014, 15, 4885-4904.	1.0	59
10	Leaf respiration and alternative oxidase in field-grown alpine grasses respond to natural changes in temperature and light. <i>New Phytologist</i> , 2011, 189, 1027-1039.	3.5	57
11	Radiogenic and stable Sr isotope ratios (⁸⁷ Sr/ ⁸⁶ Sr, ⁸⁸ Sr/ ⁸⁶ Sr) as tracers of riverine cation sources and biogeochemical cycling in the Milford Sound region of Fiordland, New Zealand. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 173, 284-303.	1.6	51
12	Route Fidelity during Marine Megafauna Migration. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	42
13	Tectonically driven fluid flow and gold mineralisation in active collisional orogenic belts: comparison between New Zealand and western Himalaya. <i>Tectonophysics</i> , 2002, 348, 135-153.	0.9	40
14	Young orogenic gold mineralisation in active collisional mountains, Taiwan. <i>Mineralium Deposita</i> , 2010, 45, 631-646.	1.7	40
15	Stable isotope food-web analysis and mercury biomagnification in polar bears (<i>Ursus maritimus</i>). <i>Polar Research</i> , 2009, 28, 443-454.	1.6	32
16	Multi-Decadal Humpback Whale Migratory Route Fidelity Despite Oceanographic and Geomagnetic Change. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	31
17	Doctor Drone: Non-invasive Measurement of Humpback Whale Vital Signs Using Unoccupied Aerial System Infrared Thermography. <i>Frontiers in Marine Science</i> , 2019, 6, .	1.2	29
18	Juvenile Osprey Navigation during Trans-Oceanic Migration. <i>PLoS ONE</i> , 2014, 9, e114557.	1.1	28

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19	Paleogene landscape evolution of the central North American Cordillera: Developing topography and hydrology in the Laramide foreland. <i>Bulletin of the Geological Society of America</i> , 2006, preprint, 1.	1.6	27
20	Hydrothermal arsenic enrichment in an active mountain belt: Southern Alps, New Zealand. <i>Chemical Geology</i> , 2001, 177, 323-339.	1.4	24
21	Identifying blind geothermal systems with soil CO ₂ surveys. <i>Applied Geochemistry</i> , 2014, 50, 106-114.	1.4	23
22	Spatial and temporal variations in nitrogen export from a New Zealand pastoral catchment revealed by stream water nitrate isotopic composition. <i>Water Resources Research</i> , 2016, 52, 2840-2854.	1.7	22
23	Gold mineralisation near the Main Divide, upper Wilberforce valley, Southern Alps, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2000, 43, 199-215.	1.0	20
24	Respiratory flexibility and efficiency are affected by simulated global change in Arctic plants. <i>New Phytologist</i> , 2013, 197, 1161-1172.	3.5	20
25	Simple ways to calculate stable isotope discrimination factors and convert between tissue types. <i>Methods in Ecology and Evolution</i> , 2015, 6, 1341-1348.	2.2	20
26	Migration of hydrothermal systems in an evolving collisional orogen, New Zealand. <i>Mineralium Deposita</i> , 2013, 48, 233-248.	1.7	19
27	Invasive Nitrogen-Fixing Plant Amplifies Terrestrial Aquatic Nutrient Flow and Alters Ecosystem Function. <i>Ecosystems</i> , 2019, 22, 587-601.	1.6	19
28	Carbon Cycling in Floodplain Ecosystems: Out-Gassing and Photosynthesis Transmit Soil $\delta^{13}C$ Gradient Through Stream Food Webs. <i>Ecosystems</i> , 2011, 14, 583-597.	1.6	16
29	Stable isotopic evidence for a pre-late Miocene elevation gradient in the Great Plains Rocky Mountain region, USA. , 2006, , .		15
30	Thermal Imaging and Biometrical Thermography of Humpback Whales. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	15
31	Soil $\delta^{13}C$ -CO ₂ and CO ₂ flux in the H ₂ S-rich Rotorua Hydrothermal System utilizing Cavity Ring Down Spectroscopy. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 358, 252-260.	0.8	15
32	Stable oxygen isotope signatures of early season wood in New Zealand kauri (<i>Agathis australis</i>) tree rings: Prospects for palaeoclimate reconstruction. <i>Dendrochronologia</i> , 2016, 40, 50-63.	1.0	14
33	Hornblende, cummingtonite, and biotite hydrogen isotopes: Direct evidence of slab-derived fluid flux in silicic magmas of the Taupo Volcanic Zone, New Zealand. <i>Journal of Volcanology and Geothermal Research</i> , 2012, 233-234, 27-36.	0.8	13
34	A field-compatible method for measuring alternative respiratory pathway activities <i>in vivo</i> using stable O ₂ isotopes. <i>Plant, Cell and Environment</i> , 2012, 35, 1518-1532.	2.8	13
35	Modulation of respiratory metabolism in response to nutrient changes along a soil chronosequence. <i>Plant, Cell and Environment</i> , 2013, 36, 1120-1134.	2.8	13
36	Latitudinal, sex and inter-specific differences in mercury and other trace metal concentrations in Adelie and Emperor penguins in the Ross Sea, Antarctica. <i>Marine Pollution Bulletin</i> , 2020, 154, 111047.	2.3	13

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37	Correcting for nonlinearity effects of continuous flow isotope ratio mass spectrometry across a wide dynamic range. <i>Rapid Communications in Mass Spectrometry</i> , 2012, 26, 460-468.	0.7	12
38	U/Pb dating of a terminal Pliocene coral from the Indonesian Seaway. <i>Marine Geology</i> , 2012, 311-314, 57-62.	0.9	12
39	Geochemical signature of orogenic hydrothermal activity in an active tectonic intersection zone, Alpine Fault, New Zealand. <i>Mineralium Deposita</i> , 2004, 39, 437.	1.7	11
40	Oxygen, carbon, and strontium isotopic constraints on timing and sources of crustal fluids in an active orogen: South Island, New Zealand. <i>New Zealand Journal of Geology, and Geophysics</i> , 2003, 46, 457-471.	1.0	9
41	Origin of warm springs in Banks Peninsula, New Zealand. <i>Applied Geochemistry</i> , 2017, 86, 1-12.	1.4	9
42	Baleen Whale Migration. <i>Ethology and Behavioral Ecology of Marine Mammals</i> , 2022, , 71-104.	0.4	8
43	A hydrochemically guided landscape classification system for modelling spatial variation in multiple water quality indices: Process-attribute mapping. <i>Science of the Total Environment</i> , 2019, 672, 815-833.	3.9	7
44	Are two elements better than one? Dual isotope ratio detrending of evaporative effects on lake carbonate paleoelevation proxies. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	1.0	6
45	Foliar and soil N and $\delta^{15}N$ as restoration metrics at Pātarangamotu Riccarton Bush, Christchurch city. <i>Journal of the Royal Society of New Zealand</i> , 2017, 47, 319-335.	1.0	6
46	Flying south: Foraging locations of the Hutton's shearwater (<i>Puffinus huttoni</i>) revealed by Time-Depth Recorders and GPS tracking. <i>Ecology and Evolution</i> , 2019, 9, 7914-7927.	0.8	6
47	Petrological and geochemical characteristics of REE mineralization in the A-type French Creek Granite, New Zealand. <i>Mineralium Deposita</i> , 2019, 54, 935-958.	1.7	5
48	Stable isotope ($\delta^{18}O$) relationships of ice facies and glaciological structures within the mid-latitude maritime Fox Glacier, New Zealand. <i>Annals of Glaciology</i> , 2017, 58, 155-165.	2.8	2
49	Seasonal and annual variation in the diving behaviour of Hutton's shearwater (<i>Puffinus huttoni</i>). <i>New Zealand Journal of Zoology</i> , 2020, 47, 300-323.	0.6	2
50	Iron concretions within a highly altered unit of the Berlins Porphyry, New Zealand: an abiotic or biotic story?. <i>Mineralogy and Petrology</i> , 2017, 111, 173-181.	0.4	1
51	Ground penetrating radar imaging of the late Quaternary Pyramid Valley lake deposit, North Canterbury, New Zealand: Correlation with paleoclimatic records and the stratigraphic sequence. , 2012, , .		0
52	Raised in the wild south: a dendrochronological and dendrochemical profile of a far-southern stand of kauri (<i>Agathis australis</i>) on the Taieri Plain, Otago. <i>New Zealand Journal of Forestry Science</i> , 2014, 44, .	0.8	0
53	Forest stream biota carbon : nitrogen ratios are unaffected by nutrient subsidies from breeding Westland petrels (<i>Procellaria westlandica</i>). <i>Marine and Freshwater Research</i> , 2018, 69, 1508.	0.7	0
54	CONTROLS ON GROUNDWATER RESOURCES IN LOESS-COVERED VOLCANICS: CHEMICAL AND ISOTOPIC ANALYSES OF BANKS PENINSULA SPRINGS, NEW ZEALAND. , 2016, , .		0

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55	MENTORED UNDERGRADUATE RESEARCH STUDENT PROJECTS: PREPARING GRADUATES AND ENABLING ACADEMIC RESEARCH. , 2019, , .		0
56	At-sea foraging behaviour in Hutton's shearwater (<i>Puffinus huttoni</i>) as revealed by stable isotope analysis. <i>New Zealand Journal of Ecology</i> , 0, , .	1.1	0